The CHEMIST AND DRUGGIST
RETAILER — WHOLESALER — MANUFACTURER
NOVEMBER 24, 1951

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The
CHEMIST AND DRUGGIST
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NEWS OF THE WEEK

Import Quotas Fixed.—The Board of ade has announced the values for which port licenses will be issued in the period ding June 30, 1952 for imported items on ich it has been necessary to impose trictions (see *C. & D.*, November 17, 641). They include the following: oup 5 (*Chemicals, drugs, etc.*), 75,000; honey, £5,000; natural essen- l oils, £2 millions; various vegetable including almond, olive, etc., £350,000.

Food Chemicals.—The Food Standards mmittee of the Ministry of Health, set recently to make recommendations for amendment of the Public Health reservatives, etc., in Food) Regulations, ks information on the use in foods of tioxidants, antimould agents, solvents, ulsifying agents, preservatives and ouring matter. The subcommittee in- es interested parties to communicate h the secretary, Food Standards and belling Division of the Ministry of Food, Portman Square, London, W.1.

Control of Veterinary Products.—At a ent meeting of representatives of the Pharmaceutical Society, the Royal College of Veterinary Surgeons, the National Veterinary Medical Association and the British Medical Association, to discuss control of veterinary biological and allied products, it was unanimously agreed that such control need not include the following products which could be made available to the public:—Blackleg vaccine, aggresin, and serum and preparations of synthetic œstrogens used for the chemical caponisation of poultry.

Hospital Salary Negotiations.—A meeting of the staff side of Committee C of the Pharmaceutical Whitley Council was held in London on November 16 to discuss the offer made by the management side (*C. & D.*, November 9, p. 619) in response to the staff side claim for increases in the salary scales. The membership of the three organisations represented was reported to have rejected the offer as being "unrealistic and inadequate." The staff side was disturbed at the "rigid attitude" maintained by the management side to any amendment of the offer and took the view that

that attitude, if maintained, would compel resort to arbitration. It was agreed to inform the management side of those views, and to request an early meeting.

Pharmaceutical Services in Hospitals.—The Minister of Health has asked the Central Health Services Council to review the arrangements for pharmaceutical services in hospitals, and to advise him on their most efficient and economical organisation. The review will be made by the subcommittee on the hospital pharmaceutical services of the Standing Pharmaceutical Advisory Committee. The following additional members have been co-opted for the purpose:—Messrs. H. N. Linstead, Ph.C. (chairman), J. B. Lloyd, M.P.S., J. H. Wood, M.P.S., Miss Joan Allan, Ph.C., Messrs. D. Curry, M.P.S., W. Trillwood, M.P.S., Miss Janet Aitken, M.D., F.R.C.P., and Alderman A. F. Bradbeer, J.P. The secretary is Mr. T. C. L. Nicole (Ministry of Health). Any person or body wishing to submit evidence to the subcommittee should give notice to the secretary, Room 332, Ministry of Health, Savile Row, London, W.1.

LOCAL NEWS

Theft from Pharmacy.—The premises of Timothy Whites & Taylors, Ltd., Market Hall Buildings, Leeds, were broken into recently. Six perfume sets and other goods were removed.

N.H.S. Estimates.—DUNDEE Executive Council's estimates for the year ending March 31, 1953, total £486,650 (£605,875 in 1951-52). Pharmaceutical service figure is reduced by £50,000.

Evans Scientific Society.—Members of Evans Scientific Society heard a lecture from Dr. Adrian Albert (professor of medical chemistry, Australian National University) recently on "The Scientific Method in the Evolution of New Drugs." The audience included members of the staff of the department of pharmacy, Liverpool College of Technology.

South-west London Dinner.—The annual dinner and dance of the South-west London Chemists' Association was held on November 7. The toast of the Pharmaceutical Society was proposed by Mr. W. Dinsdale (senior vice-president and social secretary of the Association). Mr. F. C. Wilson (president of the Society), replied. "The South-west London Chemists' Association" was proposed by Mrs. J. K. Irvine (a member of the Society's Council and a past-president of the Society), and r sponded to by Miss D. Murgatroyd (pre dent of the Association). Cartoon, p. 6

Salford Analyst's Report.—The rep of the Salford city analyst for 1950 sho that of sixty-two samples of drugs tak within the city during the year, only o (of compound solution of sodium phena was unsatisfactory. The sample v labelled as being composed according the formula in the second Supplement the B.P.C., 1934. It was considered th as the formula was not now official, statement of ingredients should have be made. The absence of glycerin (requi by the B.P.C., 1949) was regarded as lik to prejudice the purchaser "as it had soothing effect on the throat." Also th teen samples of drugs from Stretford w satisfactory; eleven from Eccles inclu two of "natural rub" which were unsa factory. They contained 62 per cent. water but were labelled compounds natural oils."

Pharmaceutical Committee Reports A report published recently in place of annual report by the PLYMOUTH Phar ceutical Committee deals with the per July 5, 1948 to June 30, 1951. On Janu 1, 1951, 194,540 patients were on l doctors' lists and there were forty- authorised sellers of poisons in Plymou Payments to chemists during the per totalled £383,852. Only one compl from a member of the public, and test prescriptions (from a total of nin five taken), had been referred to the P maceutical Service Committee. The n ter of illegible prescriptions had been ta up with the local Medical Commit which had promised action. In an change of information between the P maceutical and Medical Committees it revealed that there had been compla by doctors that some chemists had ref to dispense after closing hours pres tions marked "urgent."—678,737 pres tions were dispensed in the area of EAST HAM Pharmaceutical Committee £91,085 was paid to chemists. The c mittee is continuing to press for payn of interest on pricing arrears.

SPORT

Gaelic Sport.—DUBLIN COLLEGE OF PHAR GAELIC ATHLETIC ASSOCIATION CLUB team has r tained its senior status this season. The nu of new members is considered satisfactory but is room for more. Intending members are to send their names to the club secretary Declan O'Sullivan, 96 North Circular Road, lin). Practices are held every Sunday at Ph

k, and as many friendly matches as possible being arranged with other clubs throughout season. Notification of engagements are sent all members and notified members who are able to attend are requested to inform the captain in advance.

IRISH NEWS

President Honoured.—Mr. J. P. Kissane resident of the Pharmaceutical Society Ireland) was one of the guests of honour a dinner held by the Royal College of ysicians in Dublin on October 18.

Cotton Wool for Hospitals.—The Northern Ireland Hospitals Authority has cepted a contract for the supply of hospal cotton wool from a firm whose nder was £1,275 less than the previous west offer on the estimated quantities r the year. The contract includes a "rise d fall" clause.

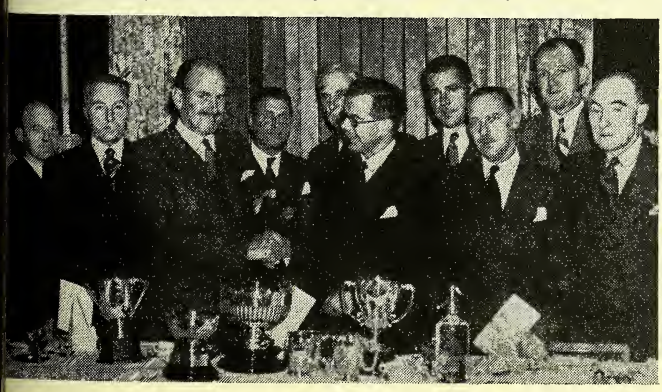
President's "At Home."—There was a rge attendance at the monthly "at me" given by the president of the armaceutical Society of Northern Ireland (Mr. H. W. Gamble), to members and sociates in the Society's rooms on November 20. Films were shown including Peptic Ulcer," "Liver Fluke in Great itain" and "Artificial Pneumothorax." so shown was "The Voice of Ulster," film descriptive of the people of Ulster, industries, agriculture and scenery.

Window Competition Winners.—Winrs of a window-dressing competition for emists in Northern Ireland promoted by estlé's Food Products (Northern Ireland, d., were:—1. G. Hamilton, 86 Agnes reet, Belfast, £100; 2. J. McMillan, 40 ain Street, Portrush, £50; 3. T. McFadn, 208 Duncairn Gardens, Belfast, £25; A. L. Martin, Portadown, £25. Awards to chemists who supplied homogenised goods to the mothers of the winners in the baby beauty contest were:—1. Connor & Sons, Ltd., chemists, Newry, £15; 2. Mr. W. P. Ewart, Scotch Street, Armagh, £10; 3. Mr. S. Pepper, Wellington Street, Ballymena, £5. The awards were presented by the lord mayor of Belfast at a ceremony in Belfast on November 15.

Pharmaceutical Chemists' and Students' Club.—The annual meeting of the Foundation Committee of the Pharmaceutical Chemists' and Students' Club was held in Dublin recently, Mr. T. O'Keefe presiding. Those present included Messrs. M. Costello (vice-president, Pharmaceutical Society of Ireland) and H. P. Corrigan (treasurer). The balance sheet, presented by Mr. W. J. Gardner, showed a profit of £218. Cash in hand now stood at £2,891. The following officers were elected: *President,* Mr. J. P. Kissane; *Vice-president,* Mr. M. Costello; *Chairman,* Mr. T. Cosgrove; *Vice-chairman,* Mr. W. Gill; *Joint Treasurers,* Messrs. W. J. Gardner and M. G. O'Connor; *Secretary,* Mr. M. Walshe; and *Assistant Secretary,* Miss M. McEnroe.

SCOTTISH NEWS

Edinburgh Golfers' Dinner.—Mr. N. A. Stephen (captain) presided at the annual dinner of the Edinburgh Chemists' Golf Club, held in Edinburgh recently. The toast of the Club was proposed by Councillor G. Hedderwick, who welcomed Mr. James Finlay, one of the founder members of the Club. Mr. N. A. Stephen (the Club captain) replied. Other speakers included Messrs. James Low (captain, Glasgow Pharmacy Club), W. E. Herd, H. G. Baker, and Hugh Semple (Club champion and winner of the summer hole and hole competitions).



GOLF CHAMPIONSHIP AWARD.—Mr. Hugh Semple, Club champion, receives his award from Councillor G. Hedderwick, M.P.S., at the annual dinner of the Edinburgh Chemists Golf Club. Also in the group (left to right) are Messrs. S. W. Herd, J. H. Scott, J. Low, J. Finlay, N. A. Stephen (captain), G. F. Grant, M. Meehan and R. F. Muir.

BRANCH AND ASSOCIATION MEETINGS

Inaugural Meeting at Dudley.—The inaugural meeting of the recently formed Dudley and Stourbridge Branch of the Pharmaceutical Society was held in Dudley, Worcs, on October 30, Mr. T. Reid (chairman of the Society's Organisation Committee) attending. The following officers were appointed: *Chairman,* Mr. S. C. Hawkeswood; *Vice-chairman,* Mr. P. G. Richardson; and *Secretary* and *Treasurer,* Mr. J. Fleming, 73 High Street, Dudley.

Ashton-under-Lyne Film Show.—Three films, "Foxgloves in Medicine," "Tubocurarine," and "Insulin," made by the Wellcome film unit, were shown at a recent meeting of the Ashton-under-Lyne Branch of the Pharmaceutical Society. The chairman (Mr. H. Burlinson, Ph.C.) told an audience, which included a number of local doctors, that the drugs dealt with in the films were "of great and increasing importance" in spite of the growing use of modern synthetics and antibiotics.

Weston-super-Mare Association.—The annual meeting of the Weston-super-Mare Pharmaceutical Association was held in Weston-super-Mare on November 5. The following officers for 1951-52 were elected: *Chairman,* Mr. E. H. Rae; *Vice-chairman,* Mr. J. T. Widgery; *Treasurer,* Mr. H. S. Bailey; and *Secretary,* Mr. E. H. Rake, Worle Pharmacy, Worle, Weston-super-Mare, Somerset. It was decided to contribute £5 each to the Pharmaceutical Society's convalescent home and to the fighting fund of the Proprietary Articles Trade Association.

Edinburgh Joint Meeting.—At a meeting of the Edinburgh and South-eastern Scottish Branch of the Pharmaceutical Society and the Scottish Pharmaceutical Federation in Edinburgh recently, the secretary of the Chemists Federation (Mr. R. H. Kemp) gave an address on "Resale Price Maintenance." Mr. Kemp showed how the C.F. came into being as a side-effect of the work of the Proprietary Articles Trade Association, and declared that the future of pharmacy depended on pharmacists, wholesalers and manufacturers standing together. He advised Mr. F. Hepburn at question time to wait until Parliament reassembled before seeking the views on price maintenance of his Member of Parliament. Mr. W. T. Elder (vice-president of the C.F.) defined "support" as "giving as much display space as possible to products on the C.F. lists."

Dinner and Dance at Greenford. — The annual dinner and dance of the We Middlesex and Wembley Branches of th Pharmaceutical Society was held at Gree ford, Middlesex, on October 17. M H. H. Hall (chairman, West Middles Branch) and Mrs. Hall welcomed Mr. Reid (a member of the Society's Counc and Mrs. Reid, the chief guests, as w as the members and friends of bo branches. Mr. Reid replied to the toast "The Pharmaceutical Society." M H. R. Nightingale (Enfield Branch) pr posed the toast "The Two Branches," M J. K. Westerman (Wembley Branch) r plying. Mrs. Johnson (West Middles Branch) proposed "The Visitors" a Mr. A. G. Felton (North Metropolit Branch) replied.

Dartford Branch Dinner.—The Da ford Branch of the Pharmaceutical Soci held a dinner in Dartford recently. P posing the toast "The Pharmaceuti Society," Brigadier J. S. K. Boyd (dir tor of the Wellcome Laboratories of T pical Medicine) complimented the Soci on its work in setting up standards drugs throughout the past sixty years. T "old type apprenticeship" had been excellent training, and had produced ma practitioners noted for their thoroughn Under the National Health Service pharmacist's responsibilities had increas Replying, Mr. D. W. Hudson (a mem of the Society's Council) said that the ra production of many new remedies dur the present century had caused consid able changes in the practice and teach of pharmacy. More and more had practice of medicine become depend upon the pharmacist. In spite of his rec nised value in civilian life he was den commissioned rank in the armed for The Society took a full part in int national pharmaceutical affairs, but it very strange that at a recent Internatio Conference of Military Medicine Gr Britain was the only country which had pharmacist of sufficient military rank attend. The toast of the Branch was p posed by Mr. P. A. Smith (director of Wellcome Chemical Works) and rep to by Mr. J. R. Watson (vice-chairman the Branch). "The Ladies and Visito was proposed by Mr. W. A. Smith, Bex heath, and replied to by Miss E. W. R ertson, Sidcup.

TOPICAL REFLECTIONS

tending the Scope

Three items in your issue of November may appropriately be linked with your ent report of the Salzburg meeting of International Society for the History Pharmacy. At the November Council eting of the Pharmaceutical Society of eat Britain (p. 651) it was announced at a Franco-British Pharmaceutical Con- ss is about to be organised, for next ay, on the lines of the one held at ighton last May. Arrangments are also ng made for an exchange of lectures, its to manufacturing houses, and other tters of common interest. At the same eting the International Congress of ilitary Medicine and Pharmacy to be ld in Paris next month was mentioned; ough the position of pharmacy in the rces of the United Kingdom is anomal- s, it was agreed to send a representative the Society. Increasing participation in scussions with French pharmacists is rth encouragement. Anyone doubting reality of our ties with France has ly to scan the lists of bishops and deans a few of our oldest cathedrals. For some nturies after the Norman conquest those mes are predominantly French; and in e Middle Ages the interchange of person- l between the two countries was frequent many vocations. This movement to- rds greater awareness of what our cul- ral neighbours are thinking does not stop France. In recent weeks we have read the visit of a pharmaceutical product- ity team to the United States, and of a eting of the International Pharmaceu- al Federation in Rome. The third item ferred to at the beginning of this para- aph is the publication of the Interna- nal Pharmacopœia. As I made a brief ference to this book a few weeks ago, ere is no need to add now to what pears on pp. 657 and 659 of your last eek's issue.

Battle with Bureaucracy

The American Medical Association is a werful body capable of fighting its battles naided. That fact, however, does not revent observers in this country from ishing it successs in its opposition to a roposal which, it holds, would vest con- ol of the American drug industry in a tate official (p. 643). It is estimated that a Bill now before a subcommittee of the nited States Senate becomes law, 30,000 "drugs" will become subject to new regulations, "and would probably require the addition of numerous enforcement officials." The Association considers that this outcome "would put the average druggist under a tremendous burden." The study of any set of regulations made in such circumstances would, I think, puzzle the legendary Philadelphia lawyer. In Great Britain we had experience of bureaucratic overlordship as long ago as 1783, when the first Medicines Stamp Act was passed. Some of the witnesses who gave evidence before the Select Committee on Medicine Stamp Duties in 1936-37 read this Act, no doubt. I wonder how many of them noticed that the Commissioners appointed to administer it were empowered to do, in addition to specified tasks, "all other things necessary to be done for putting this Act in execution, with relation to the said rates and duties."

Andrew Ure

Your report of a lecture on fine chemicals in pharmacy given by Mr. J. C. Hanbury, a lecturer well versed in the tradition of the fine chemical industry, makes pleasant reading (pp. 654-55). His remarks on certain chemists of the eighteenth and early-nineteenth centures add to our store of historical information. I either did not know or had forgotten that Andrew Ure, F.R.S. (1778-1857) manufactured iodine in or near Glasgow. He was a native of that city, and graduated M.D. there in 1801. Three years later he became professor of chemistry and natural philosophy at the Andersonian College or University, where his students eventually numbered 400. He removed to London in 1830, and was appointed analyst to the Board of Customs in 1834. His Dictionary of Chemistry, first published in 1821 and afterwards translated into French and German, was the precursor of Watt's dictionary on the same subject. Dr. Ure was a frequent contributor to the proceedings of the Royal Society and other learned bodies. A short letter from him in my possession, dated January 14, 1836, was addressed to Professor Wheatstone. In it the writer mentions that he has borrowed a "condensing gold leaf electroscope"; he thinks "Carvallo and other of our old writers much better on practical electricity as far as atmosphere is concerned" than was Ponillet.

Xrayser

COMPANY NEWS

F. W. Berk, & Co., Ltd.—An interim dividend of 1¾d. per unit on doubled capital (equivalent to 3½d. paid last year) is announced.

Lever Brothers and Unilever, Ltd.—An offer of £14 millions 4 per cent. debenture stock has been made to the public at £96 per cent. In addition, holders of ordinary stock are being offered 3,423,502 shares of £1 each at 30s.

Allen & Hanburys, Ltd.—Net profit for the year ended June 30, after taxation, amounts to £133,952 against £59,035 for the previous year. Profits and income taxes £188,059 (£89,781). A final ordinary dividend is recommended of 12½ per cent. making 17½ per cent. for the year (same). The sum of £50,000 is put to general reserve and £100,000 to plant replacement reserve.

Glaxo Laboratories, Ltd. — Group trading profits for the year ended June 30 were £3,491,847 against £2,711,511 for the previous year. To this has to be added trading profits of £77,544 (£22,988) of previous years and other revenue of £24,234 (£19,303) making a total of £3,593,625 against £2,753,802. After tax of £2,260,796 (£1,516,717) the net profit of £1,332, 829 compares with £1,237,085. In his statement with the accounts the chairman (Sir Harry Jephcott) states that while home sales increased during the year by 8 per cent. in value and 25 per cent. in volume, export sales were doubled in volume and increased by 60 per cent. in value.

Horlicks, Ltd. — The report of the chairman (Lieutenant-Colonel J. N. Horlick) circulated with the accounts (see *C. & D.*, October 13, p. 482), stated that substantial progress had been made towards completion of a new factory in Australia and it was hoped that production would commence about the middle of 1952. It was intended that the Australian factory would ultimately become the main source from which the parent company's export markets would be supplied. Of the American market the chairman said "Progress has been made in some directions but much of the business obtained is not yet remunerative owing to high production costs and low price levels. Meanwhile, the American factory continues its valuable function of supplying some of the parent company's important export markets."

NEW COMPANIES

Campbell & Dilley, Ltd. (P.C.).—Capital £1,000. To carry on the busine of merchants, importers, exporters an dealers in chemicals, etc. James R. Lon and Geoffrey Golledge, subscribers. R.O. 4 Southampton Place, London, W.C.1.

Amor Richards, Ltd. (P.C.).—Capita £1,000. To carry on the business c manufacturers of and dealers in cosmetic creams, soaps, perfumes, etc. George Amc and Mary V. Richards, directors. R.O. 8 Katharine Street, Croydon, Surrey.

Cornfield Phipps & Co., Ltd. (P.C. —Capital £500. To carry on the busine of importers and exporters of spices, esse tial oils, drugs, chemicals, etc. Laurer Cornfield Phipps, Henry C. Andrews, ar Richard H. Snell, directors. R.O.: 3 High Holborn, London, W.C.1.

BUSINESS CHANGES

Milton Antiseptic, Ltd., have remove to 345 Gray's Inn Road, London, W.C.1

Mr. Keith Jenkins, M.P.S., has opene a pharmacy in Bovingdon, Herts.

The address of Saville Perfumery, Ltc is 124 Rickmansworth Road, Watfor Herts [Corrected note].

F. W. Hampshire & Co., Ltd., Sunn dale, Derby, have taken over the busine of Maureen Baun, Ltd., Bury, Lancs.

The Apollinaris Co., Ltd., have r moved to Sardinia House, 52 Lincoln's I Fields, London, W.C.2 (telephon Chancery 3166).

Pifco, Ltd., have removed their Lond offices, showroom and trade counter to Upper Thames Street, London E.C.4 (te phone: Central 0666-67).

British Aluminium Co., Ltd., is trar ferring its head office on December 1 Norfolk House, St. James's Square, Lo don, S.W.1 (telephone: Whitehall 7868

Appointments

Mr. Gilbert Dodd, M.P.S., has be appointed deputy manager of the purch ing department of Monsanto Chemica Ltd., London, with effect from January 1952.

Amber Pharmaceuticals, Ltd. (tab department), Byron House, 7 St. Jame Street, London, S.W.1, have appoint Mr. L. Hulbert their representative Surrey, Sussex, Hants, Berks, and Dors

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

R. R. W. SORENSEN asked the Foreign cretary on November 14, "In view of adequate supplies of DDT in some coun- es, what action has been taken by the nited Nations Organisation and the sembly of the World Health Organisation ensure a better supply and a more equit- le distribution of this substance?"

MR. H. A. NUTTING (Under Secretary r Foreign Affairs) replied that the Econ- nic and Social Council was setting up a rking party to examine the world posi- on regarding the supply and requirements DDT and, if a significant shortage were sclosed, to make recommendations for e alleviation of the position. The party as to meet in February 1952.

urchase Tax on Drugs

Purchase Tax (No. 5) Order, 1951, (S.I. 951, No. 1357) dated July 27, 1951, and id before the House in the previous Par- ament, was approved on November 14.

ureomycin Figures

MR. PETER REMNANT asked the Minister Health on November 15 the present roduction of aureomycin in Britain and ie percentage that was being exported. IR. CROOKSHANK replied that the manu- acture of aureomycin was completed in outh Wales from bulk aureomycin im- orted at considerable dollar cost. A pro- ortion of the output was being exported ithout prejudicing present needs in Great ritain. In fairness to the makers, he hought that the precise figures should not e disclosed. Replying to a supplementary uestion the Minister said he was satisfied hat the export was justified although the ome demand had not been fully met.

pticians and Registration

THE MINISTER OF HEALTH told MR. D. -M. RENTON on November 15 that the committee, appointed by his predecessor, o examine the need for the registration of pticians had finished taking evidence and oped to present its report early in 1952.

Weights and Measures

MR. B. JANNER asked the President of he Board of Trade on November 15 whether it was proposed to introduce legis- ation dealing with the points covered by he Committee on Weights and Measures. MR. P. THORNEYCROFT (President of the Board of Trade): I am studying the Committee's report, and will make a statement later on the question of possible legislation on the matter.

Cancer Cure Experiment

THE MINISTER OF HEALTH (Mr. H. Crookshank) told MR. PETER FREEMAN on November 15 that the committee investigating the claims of Mr. Rees Evans for curing cancer had not quite completed its work, and could not say how soon it would be able to report.

LEGAL REPORTS

Irregular Drug Sales.—At Lambeth, London, police court recently, Gwilym H. Elias, manager of a pharmacy at Streatham, was fined a total of £15 on five counts of irregularities in the supply of Dangerous Drugs, including altering an entry in the register, failing to make an entry, and issuing to a person not entitled to receive.

Refused to Believe Tax was Due.—At Brierley Hill, Staffs, recently, Arthur Wilson Tournay, aged seventy-one, 9 Iverley Hill, Iverley, nr. Stourbridge, was fined £152, with £10 10s. costs, because he "steadfastly refused to believe he should pay purchase tax on toilet goods sold in his business." Tournay faced eight charges of making false purchase tax returns to the Customs and Excise Authorities, five of dealing in goods concerning which he had reason to believe purchase tax would be evaded, and one of failing to keep true accounts. Prosecution said that Tournay was told several times by the Customs and Excise officers exactly how he should make the returns for his business, which was selling hair-waving lotion. But of the forty gross of bottles of lotion delivered to him, over sixteen gross were not accounted for in his returns. He would not accept the ruling of the Customs and Excise officers. He paid 9½d. a bottle for the lotion, stuck a label on it and sold it at 6s. 3d. a bottle wholesale or 10s. a bottle retail. Tournay said he started selling the lotion in 1948, made a loss of £600 in 1949-50, and hoped to make a small profit in 1951. He was only keeping the business going to provide a living for his son-in-law on his return from Korea. The Bench ruled that the Customs and Excise should recover the purchase tax by civil action.

MARRIAGES

ARMSTRONG—POUTIAINEN.—At Helsinki, Finland, on November 17, Dr. James Grant Armstrong (only son of Mr. Thomas Armstrong, M.P.S., Barn Close, Tadley, Basingstoke), to Leena-Maija Poutiainen, Helsinki.

CONNOLLY—KELLY.—At the Pro-Cathedral, Dublin, recently, Peter P. Connolly, M.P.S.I., Old Church Street, Athenry, co. Galway, to Angela Kelly, Mayo.

DEATHS

ADAMSON.—On October 29, Mr. John Adamson, M.P.S., 47 Bedford Street, Strand, London, W.C.2, aged sixty-eight.

BUTLER.—On November 11, Mr. George Edward Butler, M.P.S., First Floor Flat, 97 Marina, St. Leonards-on-Sea, Sussex, aged seventy-eight. Mr. Butler was vice-president of the West Kent Chemists' Association in 1938.

CULLEN.—At Fakenham, Norfolk, on November 5, Mr. Frederick Thomas Cullen, L.D.S., R.C.S., aged sixty. Mr. Cullen was the elder son of Mr. F. S. Cullen, M.P.S., Foulsham, Guist, Norfolk.

GILMORE.—At a nursing home in Dublin, on November 11, Mr. George Gilmore, M.P.S.I. Mr. Gilmore qualified in 1884.

MAUDE.—At Victoria Hospital, Blackpool, on November 21, Mr. Arthur Maude, M.P.S. Born at Luddendenfoot, Yorks, he studied at the Manchester College of Pharmacy and qualified in 1919 after serving in the 1914-18 war (in which he was severely wounded). He afterwards represented A. Wander, Ltd., and Parke, Davis & Co. (now Ltd.) in Lancashire and other northern counties, and in 1924-27 was the firm's assistant sales manager. In 1927 he was appointed general sales manager of James Woolley, Sons & Co., Ltd., Manchester, and remained closely associated with the company until 1950. During that time be became a director of Arnfield & Sons, Ltd., Stockport (a subsidiary company). Later and until recently he was a director of Hough, Hoseason & Co., Ltd., manufacturing chemists, Manchester. Mr. Maude was a keen golfer, and had a wide circle of friends in the trade. He is survived by his widow, a son, who is studying pharmacy, and a daughter.

MOSS. — On October 23, Mr. Sidney John Moss, M.P.S., 31 St. Botolph's Street, Colchester, Essex, aged seventy-seven.

PARKER.—At a nursing home in Dubli on November 1, Mr. Frederick Thom Parker, M.P.S.I., 36 Malahide Road, Du lin. Mr. Parker qualified in 1894.

ROBERTSON.—At a nursing home Dundee, on November 3, Mr. Charl Robertson, M.P.S., 115 Market Street, S Andrews, Fife. Mr. Robertson qualified i 1900. Born at Carnoustie in 1878 he w educated at Morgan Academy, Dunde and served his apprenticeship in Carnoust and Edinburgh. He started his own bu ness in St. Andrews in 1904. He is su vived by his wife and two sons, Mess J. McG. and C. W. Robertson, who a carrying on the business.

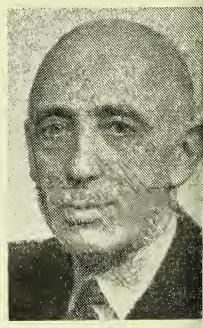
TAYLOR.—Suddenly, at Burntislan Fife, recently, Miss Agnes Mackay Lat Taylor, M.P.S. (manager of Boots, Lt Argyle Place, Edinburgh), aged forty-nin

TERRY.—On October 31, Mrs. Catheri Annie Terry, M.P.S., 16 Regent Stre Saltaire Road, Shipley, Yorks. Mrs. Ter qualified in 1941.

PERSONALITIES

MR. B. KENT JONES (general manag James Woolley, Sons & Co., Ltd., Ma chester) has been elected to full membe ship of the Incorporated Sales Manage Association.

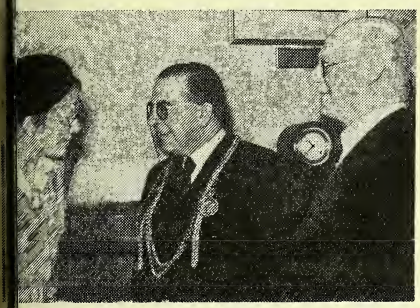
MR. FREDERICK JOHN ROBINSO M.P.S.I., Glenageary, co. Dublin, who w recently co-opted on to the Council of the Pharmaceutical Society of Ireland (see *C. & D.*, October 27, p. 553), is the chairman and managing director of Hayes, Conyngham & Robinson, Ltd., manufacturing and pharmaceutical chemists, Dublin. He is the elder son of the late Sir Thomas Robinson (a past president of the Societ Council).



MR. H. J. COUSLEY, J.P., Magherafe co. Londonderry (a member of the Cou cil of the Pharmaceutical Society of No thern Ireland), received the M.B.E. aw ded for his services as district commanda of the Ulster Special Constabulary.

OPENING OF A "MODEL" PRICING OFFICE

E fourteenth pricing bureau of the Joint cing Committee for England was offici- opened at 38 Northumberland Street, vcastle, on November 14 by Miss E. M. Russell-Smith (an Under-Secretary at Ministry of Health). Before the open- ceremony, Miss Russell-Smith and



E. M. R. Russell-Smith with the Lord Mayor Newcastle (Alderman W. McKeag) and Mr. T. pp, J.P. (chairman of the Joint Pricing Com- ee for England) at the reception after the civic ome to herself and the Committee.

mbers of the Committee were welcomed the City by the Lord Mayor (Coun- r W. McKeag) in the City Council mber, who said he welcomed the estab- ment of the bureau, which would even- ly employ 200 young women of sec- ary school educational standard. Mr. Alsopp, J.P. (chairman of the Com- tee) thanked the Lord Mayor for his come. He said that the bureau in vcastle was intended to be a model, and whole of England had been searched suitable premises. Despite increasing k, the pricing bureaux were now more n keeping abreast of the number of scriptions issued (at present well over million per year). Whereas, in 1950, nonth's prescriptions had been priced bout 5¼ weeks, the work now took less n a month. Pricing on a national scale the advantage that work could be ted from one pricing office to another, staff adjusted as necessary to meet nging requirements. The opening of Newcastle bureau would still further ed prescription pricing.

Miss Russell-Smith, seconding, said t the recent improvement in pricing had n brought about by the better arrange- nt of previous resources. Credit for t was due to the Committee, its officers staff. Recent estimates showed that State was supplying medicine to the nation at the rate of five prescriptions per head per year not counting the medicine supplied in hospitals. Medical opinion was that the population was not "all the better for it." Medicine had become something of a fashion, and the bottle a habit. "In our grandparents' time," when much disease went undiagnosed, that might have been understandable. The present armoury of preventive medicine provided opportunity for the population to remain healthy.

At the opening ceremony at the Bureau, Mr. Alsopp congratulated the staff of pricers on the encouraging report he had received on their three months' training work. Miss Russell-Smith, declaring the Bureau open, said the pricers had a large task in front of them, but the Ministry was "exploring every avenue and leaving no stone unturned" to get rid of arrears of unpriced prescriptions. The Lord Mayor congratulated the Committee on the appearance and layout of the Bureau, and Mr. W. Haigh (Clerk to Committee) on behalf of the staff, thanked the Ministry for providing them with such premises. He and his staff had no excuse for not giving the highest service, and were determined that the Bureau should remain a model.

"Jones the Chemists?—You won't remember me, but last autumn sometime you made up a prescription for a friend of mine, she appears to have forgotten the number, but you'll know, it was pinkish white, with a funny smell. I'd like a bottle."—*Gilbert Wilkinson cartoon from the "Daily Herald."*

TRADE NOTES

Now Tax-free.—British Schering, Ltd., 229 Kensington High Street, London, W.8, state that Ethidol sedative compound tablets are now exempt from purchase tax.

"Ideal Home" Exhibition. — The "Daily Mail" Ideal Home exhibition, 1952, is being held at Olympia, London, March 4 to March 29.

Design Service.—Mr. S. Vernon Porter, Felbrigg, Empress Avenue, Woodford Green, Essex, offers advice in designing for packaging, product design, counter display, sales leaflets, etc.

Additions to Range.—Parke, Davis & Co., Ltd., Staines Road, Hounslow, Middlesex, announce the following new presentations of Chloromycetin:—Powder: vial containing 5 gm.; capsules, 0.25-gm.: bottle containing 100.

Repackaged.—Clinical Products, Ltd., 2 The Green, Richmond, Surrey, are issuing the smaller size of Persomnia in a redesigned carton which is supplied in display outers of one doz. Persomnia contains bromvaletone and carbromal and is not subject to the poisons regulations.

Error in Advertisement.—Keldon, Ltd., Perivale, Middlesex, state that their announcement in the November 10 issue of the *C. & D.* contained incorrect details of prices of Famel syrup. The trade prices are 18s., 27s. and 54s. doz. (pastilles 13s. 6d.).

Chemicals for Greece. — The Greek Government is interested in the immediate purchase of penicillin, streptomycin, nicotine phosphate, potassium carbonate, 4-di-methylamino phosphoric anhydrite and other chemicals. Details may be obtained from the Editor, *C. & D.*

Increase in Size.—Ciba Laboratories, Ltd., Horsham, Sussex, announce that from December 10 Antistin ointment is to be packed in 1-oz. tubes which will be supplied against all orders for the present 20-gm. tubes. The change is being made to bring the pack of Antistin ointment into line with that for Antistin cream.

New Salt of Hexamethonium.—Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, announce the introduction of Vegolysen T brand hexamethonium bitartrate for the treatment of hypertension. The new salt eliminates undesirable halide effects which may complicate hexamethonium therapy. Vegolysen T is at present available as tablets only in containers of fifty or 500 0.35-gm.

New Strengths and Presentations. — Allen & Hanburys, Ltd., London E. have introduced Euhaemon (vitamin B_{12}) a strength of 20 microgm. per c.c. T new strength and the previous strength 50 microgm. per c.c. are presented also 10-c.c. rubber-capped vials.—The Distillers Co. (Biochemicals), Ltd., Flemi Road, Speke, Liverpool, 19, announce th Distivit B_{12} solution of crystalline vitam B_{12}, which is distributed by Burrou Wellcome & Co., Evans Medical Suppli Ltd., and Imperial Chemical (Pharm ceuticals), Ltd., is now available in thr strengths (twenty, fifty and 100 microg per mil) each in a pack of five ampoul

A New Antiseptic.—Bayer Produc Ltd., Africa House, Kingsway, Londo W.C.2, are marketing a new antisept Roccal, for hospital use. Roccal is abo as rapid as iodine in action and is no toxic. It is active against gram-posit and gram-negative organisms, includi many that are insensitive to antibiotics. addition, it has a marked deodorant acti rendering it useful in dealing with m odorous linen and dressings in hospi wards. The active ingredient is benz konium chloride, which has been the ba of antiseptics that have been extensiv used in hospitals in Australia, Canada a U.S.A. A feature it its low cost.

New Products and Packs.—Burrou Wellcome & Co., 183 Euston Road, L don, N.W.1, have introduced Kemad brand *dl-1-cyclo* hexyl-1-phenyl-3-pyrr dinopropan-1-ol hydrochloride for treatment of parkinsonism (paral agitans). Kemadrin, which has underg its initial trials, is claimed to cause a crease of rigidity and lead to better mu co-ordination. Patients taking it are to indulge in greater physical activity reveal increased well-being and alertn the side-effects of dryness of the mo constipation, retention of urine mydriasis are less than with bellado and stramonium alkaloids. Kemadrin available as 5-mgm. compressed prod in bottles of twenty-five and 100. Fur trials are in progress.—Roche Produ Ltd., Broadwater Road, Welwyn Gar City, Herts, have introduced Dromo brand methorphinan in packings twenty and 200 1.5-mgm. tablets and and fifty 2-mgm. ampoules. Dromo which is exempt from purchase tax subject to D.D.A. regulations.

PRICE CHANGES

I.R.P.=Inclusive Retail Price	Doz. s. d.	Tax %	I.R.P. s. d.
he Laboratories, Ltd. (from December 1).			
Bandbox almond-oil shampoo, 1-oz.			1 6
4-oz.			4 3
Bandbox liquid shampoo, 1-oz.			1 0
4-oz.			2 9
Bandbox lanolin-cream shampoo, jar			2 9
Bandbox wave sets and brills, 1-oz.			1 3
2-oz.			2 0
lton Antiseptic, Ltd. (from November 19).			
Milton fluid, 16-oz.	31 6		3 6
rke, Davis & Co., Ltd. [Corrected note].			
Takazyma. 2-oz.		33⅓	4 7
1-lb.		33⅓	27 6
ckitt & Colman, Ltd. (from November 19).			
Steradent, J size bottle 217	0 gross		2 6
B size tin 123	0 gross		1 5
Reckitt's Bathjoys	26	0 gross	5
Harpic, A size	266	0 gross	2 6
B size	158	0 gross	1 5½
en & Hanburys, Ltd.			
Ergometrine A. & H.,			
0.125 mgm. in 1 c.c. 6	44 0		5 6
12	84 0		10 6
100	46 10 each		70 3
0.5 mgm. in 1 c.c. 6	108 0		13 6
12	212 0		26 6
100	127 10 each		192 0
injection solution tablets			
0.125 mgm. 10	45 0		5 8
oral tablets, 0.5 mgm. 25	28 4 each		42 6
100	110 6 each		166 0
500	495 0 each		
1,000	988 0 each		

PROPRIETARY ARTICLES TRADE ASSOCIATION

terations to the Protected List (Part 1)

hazone, Ltd. [Corrected note]
The 14s. 2d. size of Ephazone tablets contains ty-eight.

yes Sanitary Compounds Co., Ltd.
Jeyes fluid 5-oz. 10 6 Nil 1 2
10-oz. 15 0 Nil 1 8

Lilly & Co., Ltd.
Ergotrate tablets,
1572, 0.2 mgm. 12's 100 0 Nil 12 6
25's 162 0 Nil 20 3
100's each 47 4 Nil 71 0
500's each 235 10 Nil 353 9
1,000's each 469 4 Nil 704 0

edo-Chemicals, Ltd. [Corrected note]
The product previously referred to as Horomin was Hormofemin.

C. & D. RETAIL AND DISPENSING PRICE LIST

REDUCTIONS in dressings prices, which took place on October 15 (see *C. & D.*, October 20, p. 519), are reflected in the month's list and are given in the second table below.

It is worth reminding chemists that vitamin B_{12} now prescribed under a variety of trade names, may also be encountered under its approved name: cyanocobalamin. Confusion may also arise over the use of abbreviations denoting the strength required, which is expressed in micrograms (μgm.), 1/1000 milligram, sometimes written as "mcg." or "μg."

Drug Prices in October

The changes given below, which took place during October, should be noted. The drug index for the month is 206.2.

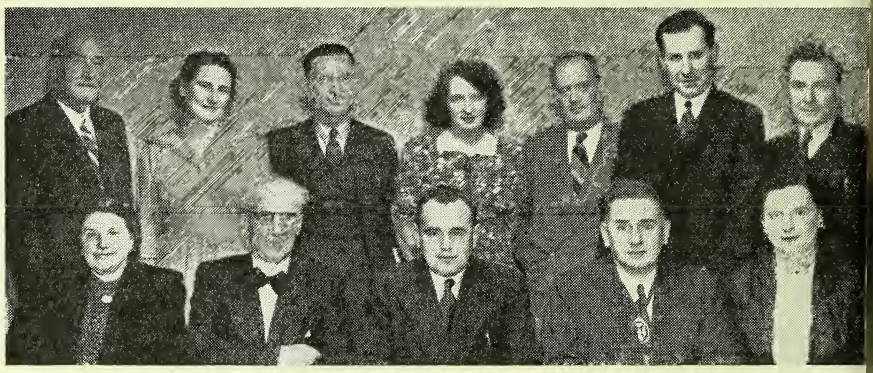
Cost. d.	Cost. per	Item.	4 oz. s. d.	1 oz. s. d.	1 dr. s. d.
488	lb.	Bismuthi carbonas ..	—	4 9	0 8
38	oz.	Bismuthi subgallas ..	—	5 6	0 9
428	lb.	Bismuthi subnitras ..	—	4 2	0 7
93	oz.	Caffeina	—	—	2 3
168	4 oz.	Caffeinæ citras ..	—	6 0	0 10
144	lb.	Cera alba in massa ..	5 2	1 6	0 3
150	lb.	Cera alba in placentis	5 4	1 6	0 3
138	lb.	Cera flava exot. ..	4 10	1 4	0 3
168	lb.	Elixir caffein. iod. et ephedrin. B.P.C.	6 8	2 0	0 4
45	oz.	Ext. fellis bovinum pulv.	—	6 9	1 0
72	lb.	Glyc. aluminis ..	3 3	0 11	0 2
60	oz.	Pepsinum	—	9 0	1 5
122	4 oz.	Phenazonum	—	4 4	0 8
48	oz.	Pigment. podophylli B.P.C.	—	7 0	1 0
45	lb.	Sodii et potass. tart. pulv.	2 7	0 6	0 1
78	lb.	Sodii hydroxid. (stick) P. II. (15)	2 9	0 9	0 2
53	oz.	Theobromina et sodii sal.	—	7 9	1 3
68	oz.	Tinct. cannabis ind. D.D.	—	—	1 7
36	lb.	Tinct. ferri perchloridi	1 4	0 5	0 1
102	lb.	Tinct. ipecacuanhæ ..	3 8	1 0	0 2

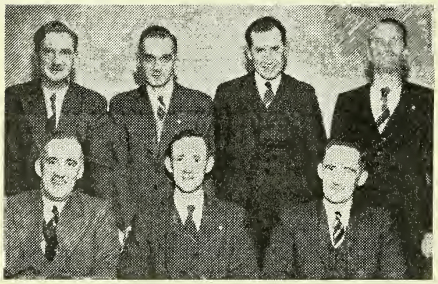
BANDAGES (individually wrapped)	1 in. s. d.	1½ in. s. d.	2 in. s. d.	2½ in. s. d.	3 in. s. d.	3½ in. s. d.	4 in. s. d.	6 in. s. d.
hite open wove B.P.C. .. .. .. 3 yd.	0 4	—	—	—	—	—	—	—
hite open wove B.P.C. .. .. .. 4 yd.	—	0 7	0 9	0 11	1 1	—	—	—
hite open wove B.P.C. .. .. .. 6 yd.	0 6½	0 9½	1 0	1 3½	1 6	—	2 1	3 1
epe, B.P.C. .. .. .. (5 yd. stretched)	—	—	2 11	3 6	4 3	—	—	—
mette, B.P.C. .. .. 6 yd.	—	—	—	4 0	4 10	—	—	—
annel, B.P.C. .. .. 4 yd.	—	—	—	—	5 6	—	—	—

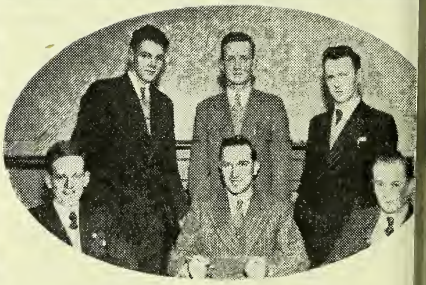
		1 oz. 1 yd. s. d.	2 oz. 2 yd. s. d.	3 oz. 3 yd. s. d.	4 oz. 4 yd. s. d.	6 oz. 6 yd. s. d.	8 oz. 8 yd. s. d.	1 lb. s. d.
OOL :	Absorbent cotton, B.P.C.	0 10½	1 7	—	2 4	—	4 6	8 9
NTS :	Absorbent, B.P.C.	1 4	2 6	—	3 10	—	7 6	14 9
	Boric, B.P.C. .. .. .. Size No. 1	No. 2	No. 4	—	No. 8	—	No. 16	—
	9d.	1 4	2 7	—	3 11	—	7 9	—
AUZE :	Absorbent, B.P.C., 36 in. wide .. ½ yd. 9d.	1 2½	—	3 2	—	6 0	—	—

CORK GUILD'S ANNUAL DINNER

THE annual dinner of the Cork branch of the Guild of Pharmacy on October 30 was one of the most successful yet held by that body. Mr. Thomas Lyons (chairman of the Branch) presided, and the attendance was well over 120. Top-table guests included the president of the Pharmaceutical Society of Ireland (Mr. John P. Kissane) and Mrs. Kissane, the lord mayor of Cork (Alderman Walter Furlong) with the lady mayoress, Dr. Aherne, Mr. Frank Crowley, Mr. James G. Coleman (registrar of the Pharmaceutical Society) and Dr. McCarthy. Medical and trade representatives present included Messrs. W. J. Fiddler (T. J. Smith & Nephew, Ltd.); W. Glavin (Ayrton, Saunders & Co., Ltd.); G. Gardiner (Ovelle, Dundalk); J. Meehan (Parke, Davis & Co., Ltd.); T. Culhane (J. Lehane & Co.); C. Foley and J. O'Hanlon (St. Dalmas (Ireland), Ltd., Cork); R. Nutty (Eli Lilly & Co., Ltd.); R. D. Clarke (T. R. Lester & Co., Cork); William Minihan (T British Drug Houses, Ltd.); Kevin Da (Burroughs Wellcome & Co.); Martin Gl lin (Lederle Laboratories); J. J. Forrist and W. G. W. Fox (Fieldings Pharmac Ltd., Cork). The toast "The Republ of Ireland" having been honoured, M W. G. W. Fox (secretary of the soci committee of the Guild) proposed the toa "Our City." He said they were able turn out doctors, engineers and clergym but were unable in Cork to make a pha maceutical chemist; one had to travel Dublin to get that qualification. He hop the time would soon come wh







Top table guests: Seated, the lady mayoress lord mayor of Cork, Mr. T. Lyons (chairman, G social committee), Mr. J. P. Kissane (presid Pharmaceutical Society of Ireland) and Mrs. Kiss Among those standing: Dr. and Mrs. McCarthy, J. G. Coleman, Mrs. and Dr. Aherne, Dr. Dow

Southern members of the profession: Sea Councillors C. O'Shea and R. Daly, Mr. E. J. Sweeney. Standing, Messrs. W. Harrington, R Curtis, Frank Crowley and Thomas Quigley (se tary, Guild Council).

Messrs. J. G. Burke, P. S. O'Brien (presid Pharmaceutical Students' Association), and M. Santry. Standing Messrs. J. C. Walshe, M. Broderick, and R. MacSuibhne.

e lectures in
ork technical in-
itute would be
cognised, and
at it would only
necessary to go
Dublin to sit for
e final Licentiate
amination. The
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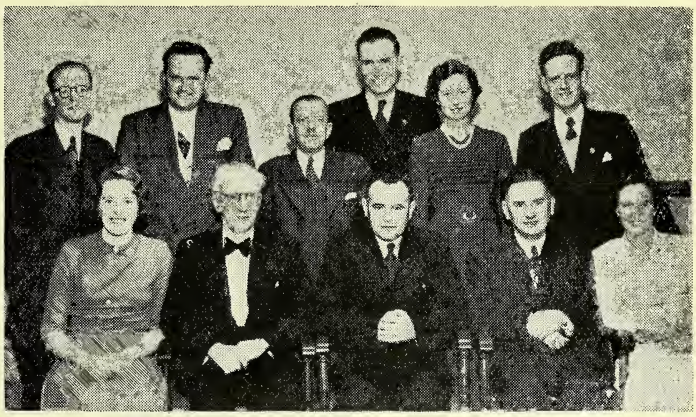
ty. MR. EDMUND
MACSWEENEY,
I.P.S.I., proposed
Our Guests." On



distinguished guests. Seated, Mrs. O'Donovan, the lord mayor, Mr. T. Lyons (chairman), Mr. J. P. Kissane, Mrs. O'Leary. Standing, Messrs. Thomas O'Hanlon, J. O'Neill, W. G. W. Fox (secretary) and D. O'Leary, Miss Mona Duggan, Mr. Jas. Burke.

Lady pharmacists and assistants.

Representatives: Messrs. G. Ardiner, Nutty, J. Meehan, C. Foley, J. P. Kissane, W. Fiddler, W. Glavin, L. Minihan, Kevin Daly, M. Giblin, J. O'Hanlon.

ehalf of the Guild
ie thanked the
ord mayor and the
resident of the
Pharmaceutical
Society for attend-
ng. Mr. Kissane,
ie said, since he
vas first elected to
he Council of the
Society nine years
previously, had done
olid and valuable
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vear ahead. THE
PRESIDENT, re-
sponding, said that
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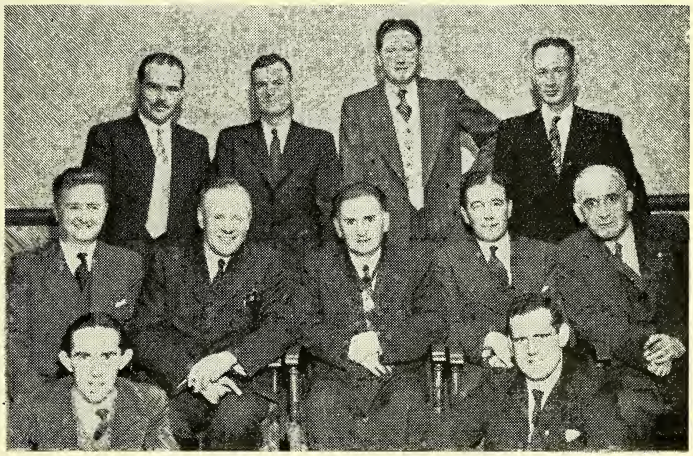

public function as president of the Society was in Cork. "I have begun a year of office which, I believe, will see many importance developments in the affairs of our Society. The big developments in recent years in the field of medicine, especially with the introduction of chemotherapeutics and of antibiotic products, made it increasingly necessary to modernise their whole scheme of pharmaceutical education. That involved a completely new curriculum of studies and larger and better class rooms and laboratories. Some of the most helpful advice and suggestions had come from Cork. As the result of an agreement between the Society and representatives of the Registered Druggists, druggists on the register would be given an opportunity of qualifying as "Dispensing Chemists and Druggists."

"I need scarcely stress that this country, like others, is moving in the direction of a State Health Scheme. It is essential tha we should be a strong, cohesive body i pharmacy is to obtain its rightful place ir any such scheme or service." MR. J. J O'REGAN (immediate past-chairman) pro posed "The Guild." The Cork Branch, h said, had been formed seven years previ ously to promote goodwill in pharmacy Other people paid lip service to vocationa ideas, but they in Cork had put them int practice by forming a body in which ever section was represented. He hoped th delegates from Dublin would take th Guild idea back with them.

THE PRESIDENT then presented medal awarded by the Guild to the followin students: Miss Helena Eastwick (first i pharmacy); Miss Mary Ita Murphy (firs in second-year chemistry and materi medica); Miss Catherine Ambrose (first i first year chemistry and botany). A musi cal programme followed.

FERROUS SULPHATE POISONING IN CHILDREN

SPENCER ("British Medical Journal," 1951.2.112-17) has investigated how ferrous sulphate poisons infants and has recommended a new emergency treatment for the poisoning. His work was based largely on eight cases of ferrous sulphate poisoning (four fatal) in infants aged from eleven to twenty-three months who had found and swallowed from five to seventy-five tablets containing ferrous sulphate. Two critical periods in the illness were noticed: the first, four to six hours after swallowing tablets, caused by the corrosive effect of the ferrous sulphate on the stomach, resulting in shock and rising serum iron. In the second, which was noticed from twenty to fifty-three hours after the tablets had been swallowed, death seemed to be caused by the effect of iron on the central nervous system. A false appearance of improvement might be noticed after passing the first critical period. The pattern of poisoning symptoms seemed to be regular. Within the first hour the infants looked pale, and vomited, the vomiting at first containing unaltered tablets. With more severe cases it contained small amounts of bright red blood by the third hour, and the children showed pallor, coldness, tachycardia, retching, vomiting, drowsiness and restlessness. A biochemist colleague suggested that: 1, as iron might act as a heavy metal and combine with SH groupings, thereby interfering with oxidation, tocopherol, which acts as an antioxidant, should be prescribed; 2, meth ionine should be given as a source of SH groupings, and to prevent the develop ment of fatty changes in the liver; drowsiness and sudden death might b caused by interference with oxidativ enzymes and the utilisation of the vitami B complex—therefore that complex shoul be given, too.

Method of Treatment

The treatment recommended includes 1, Immediate efforts in the home to mak the child vomit; 2, gastric lavage as soo as possible with sodium bicarbonate sol tion (10 oz. of the solution being left i the stomach); 3, Bismuth carbonate gr. should be given four-hourly; 4, precau tions should be taken against the inhal tion of vomit; 5, intravenous infusion fluids should be considered; 6, the follow ing vitamin mixture should be given:—

Aneurine hydrochloride	10 mgm.
Nicotinamide	30 mgm.
Riboflavin	10 mgm.
Tocopherol	15 mgm.
Methionine	500 mgm.

The amounts shown should be mult plied by the child's age in years and the divided into three daily doses. All of th substances except methionine can be give intravenously until the vomiting stops.

The author makes a plea for tablets ferrous sulphate to be packed or wrappe up in single doses to place "some obstac between the tablet and the child."

THE S.W. LONDON CHEMISTS' ASSN
DINNER & DANCE NOVEMBER 7. 1951
AS SEEN BY C.D. ARTIST
FRANK CLAY WILSON
PRESIDENT PHARMACEUTICAL SOCIETY OF GT. BRITAIN
THE ASSOCIATION PRESIDENT MISS DOREEN MURGATROYD
GIVES HER RESPONSE
MISS A.T. BORROWMAN
FIRST WOMAN PRESIDENT S.W. LONDON
E. NEVILLE BROWNE
"TOASTMASTER"
F. LEWIS WATSON
TRADE SECTY
"GARDENING"
RAMC
H.R. EDGECOMBE
"A GODSEND TO THE PRESIDENT" — MISS MURGATROYD
HW 1951
A.T. MORGAN
CHAIRMAN SOCIAL COMMITTEE
DO'S
W.G.S. THOMAS
MASTER OF CEREMONIES
WALTER DINSDALE
FROM THE "RIGHT SIDE OF THE PENNINES"
PROPOSED THE PHARMACEUTICAL SOCIETY OF GT. BRITAIN

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Give Style to your Products
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REPEAT
SALES

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Child Poisoning Casualties

VARIOUS causes have brought the subject of accidental poisonings, especially in children, into prominence recently. On p. 686 of this issue we give an abstract of an article from the "British Medical Journal" on the toxicity to children of ferrous sulphate, with a suggested emergency treatment, and it is to be noted that the author calls for single-dose wrapping of the tablets as a way of at least delaying the child's access to tablets whose colour and sugar coating may tempt him to try and swallow them. Ferrous sulphate is, by coincidence, the principal villain in an analysis of the cases of acute accidental poisoning admitted to the Duchess of York Hospital for Babies, Manchester, that has been carried out by Drs. Holzel and James, and is given with other illuminating figures in the "Medical Officer" (October 27, p. 169). The aim of the authors was to examine the causes that result in poisons' ranking fourth in the causes of child deaths and the home, and on the basis of the evidence to suggest ways of organising protection against avoidable risks.

For the country as a whole, cases of acute accidental poisoning in children otherwise than by gas in recent years have been recorded in the Registrar-General's "Statistical Review—Medical." They are:

	1944	1945	1946	1947	1948	1949
Under 15	20	31	23	38	33	35
Under 5	16	29	23	22	28	30

In the authors' hospital they jumped suddenly from seven in 1949 to twenty in 1950 after having been at one or two annually from 1929-48. The table shows that by far the largest number of such poisonings occur in infants and below-school-age children. Poisons which have accidently killed children in England and Wales include acetic acid, alkaloids, aloin, ammonia, arsenic (rat poison), aspirin, atropine, Benadryl, camphor, camphorated oil, deadly nightshade berries, digoxin and digitoxin, dropwort, eucalyptus, ferrous carbonate and sulphate, hemlock water, heroin, hydrochloric acid, hydrocyanic acid, hyoscyamus, insecticides, iodine, kerosene, laudanum, lethane, methylated spirit, methyl salicylate, morphine, nicotine, petrol, phenobarbitone, phenol-containing substances, phosphorus, potassium dichromate crystals, quinine, strychnine, sulphuric acid, turpentine, vegetable laxative pills, zinc sulphate. In 1944 and 1945 the single agent causing most deaths was methyl salicylate (in oil of wintergreen); in 1946 and 1948 ferrous sulphate headed the list. The substances responsible for most admittances to the Duchess of York hospital were ferrous sulphate (six); aspirin (four); morphine (three, causing one death), and ammonia, belladonna, creosote, heroin, hyoscine and kerosene (two each), with many other substances responsible for single cases. The authors consider—and the list of poisons will be alone enough to confirm to pharmacists—that the vast majority of such child poisonings are preventable. "Obviously, to withhold drugs from patients with young families in order to avoid accidents would be impracticable." It follows that "the safest measure to achieve prevention of these accidents is successful instruction and enlightenment of the parent." The Ministry of Health and Central Office of Information have between them produced excellent, if grim, cine films illustrating the need for parental safety measures against burns and scalds in the home, and will no doubt now give its attention to an aspect of accidental poisonings that has hitherto, perhaps, tended to become buried in statistics of a more general kind. Other available means of publicity include talks to mothers at child-welfare centres, pamphlets, posters and, we

would add, frequently a word in season from the pharmacist who supplies the adult patient with medicines (whether dispensed or otherwise) in which such risks are inherent.

Drs. Holzel and James are to be thanked for focusing attention on the problem. One result of their work will be, we feel sure, an awakened conscience on the part of the authorities, the medical and pharmaceutical professions and—eventually—the public.

Injuries to Employees from Skylarking

Is an employer liable for injuries caused to an employee by the skylarking of other employees? The point was raised recently before the Court of Appeal. The plaintiff, a boy aged sixteen at the time of the injury, was serving as an apprentice. He was working at a vice when other apprentices caused injuries to him with a compressed air pipe. It was argued on behalf of the boy that the injury was due to the negligence of his employers, since the air pipe was a dangerous apparatus to which the apprentices had ready access, and further that there was insufficient staff to maintain discipline.

The apparatus complained of had, in fact, been in the same position for a number of years, and no accident had previously happened. There was no reason for the employers to anticipate that it was going to be used in the manner in which, in fact, it was used on the occasion in question, and the court considered that there was no evidence to show that the employers had failed to take reasonable care for the safety of their employees. This case, therefore, seems to establish that where an employee sustains injury as a result of the skylarking of other employees, the employer is not liable. A qualification is, however, necessary. If employees are continually seen or known to be skylarking among themselves and to be doing acts that may be dangerous and which may cause injury, then clearly it would be the duty of the employer to take steps to secure proper discipline and to prevent the commission of acts that may endanger others.

A New Pricing Office

To the welcome fact that one month's pr scriptions are being priced in just less tha one month there is now additional proc that the Joint Pricing Committee is doin its utmost to speed pricing. The openin of a new pricing bureau is recorded o p. 681. That it is to be a model burea using new methods, shows that no initi tive is lacking on the part of the Con mittee and Superintendent. Further i creases in efficiency are likely to result the methods adopted at Newcastle (and s far proving highly successful) are approve by the Treasury and installed throughou the country. A drive has also been mad against staff loss—a problem acutely e perienced in established bureaux.

CORRESPONDENCE

Letters may be sent for publication under an assum name, but the correspondent must furnish his re name and address to the Editor.

Hospital Pharmacists' Salaries

SIR,—The report of the discussion c salaries by hospital pharmacists (*C. & D.* November 10, p. 619) shows that a res lution recommending rejection of th management side's offer was carried. Th proposer suggested that the ideal was scale with a steeper gradient than at pr sent—so that new entrants would not ben fit. It would be interesting to have com ments from junior hospital pharmacists c that suggestion. I understand that the r commendations were not carried unan mously.

Yours faithfully,
SENESCO.

Quick Results

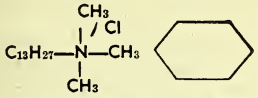
SIR,—Last week I sent you an advertis ment to be inserted in the *C. & D.* (whic you did). I sent the same announcemer to another paper for insertion. Both we posted at the same time and no dou were received the same time next da From one paper I received an ackno ledgment, with the information that could not be included in that week's ed tion. From your paper I received by th first post Saturday morning a register parcel enclosing a reader's request to pri out enclosed stock cards "as per adver in this week's *C. & D.*"! *Verb sap.*

Yours faithfully,
London, S.W.20. C. W. PLAYFOOT.

ANTISEPTIC PROPERTIES OF BENZALKONIUM CHLORIDE

By L. M. Spalton, B.Pharm., M.P.S.

BENZALKONIUM chloride is a quaternary ammonium compound consisting mainly of lauryldimethylbenzylammonium chloride. It is official in the United States Pharmacopœia.



Benzalkonium chloride

Attention to the antiseptic properties of this class of substance was first drawn by Domagk, and before the 1939-45 war small quantities of an antiseptic based on an alkyldimethylbenzylammonium chloride (trade name Zephiran) were imported into this country from Germany. Though disinfectants based on benzalkonium chloride are widely used in the British Commonwealth and in the New World, their use—largely for commercial reasons —has not been developed in this country. Benzalkonium chloride is now being manufactured in Britain in substantial quantities, and a new disinfectant containing it as active ingredient is offered for hospital use. The writer's present purpose is to review the properties, advantages and limitations of benzalkonium chloride as a disinfectant for hospital use.

According to a leading article in the "Lancet"[1] the laboratory examination of a new disinfectant should comprise observations on the effects of time, temperature and dilution on its bactericidal power against a range of organisms in the presence and absence of organic matter; on its bacteriostatic action; on the effect of possible inactivators; on its irritant or toxic effects on the tissue; and on its action *in vivo*.

Bactericidal Properties

In vitro and *in vivo* tests show that benzalkonium chloride is a powerful antiseptic. For instance, a 1 in 20,000 dilution will destroy *Staph. aureus* at 20°C in ten minutes[2]. The action is especially powerful against gram-positive organisms. An interesting point is that, though requiring a high concentration to kill *Ps. pyocyanea*, benzalkonium chloride is more lethal to that organism than are other common antiseptics. *In vitro* tests show that a 1 per cent. solution is slightly more powerful when tested against several organisms than solution of chloroxylenol, B.P.[3] The substance has been tested by infection protection tests in mice[4] and by tests on chick embryos[5]. Its antiseptic effect has been evaluated on the human skin by taking surgical skin biopsies[6], by standardisable techniques designed to measure its effect on human skin contaminated with various organisms[7], and above all by widespread clinical use. Benzalkonium chloride shares the distinction with iodine of being one of the most rapidly acting antiseptics when applied to the human skin[7]. Like many other antiseptics, it is not effective against bacterial spores, though much of the work on that point is controversial[8].

The bactericidal action of benzalkonium chloride is materially reduced in the presence of serum, blood or other organic matter, a reduction of the order of three to thirteen-fold[9] by 10 per cent, serum, depending on the organism and other factors. With the same organisms under the same conditions, the bactericidal action of cetrimide, B.P.C., is reduced nine to twenty-seven fold[10]. Even allowing for that reduction in potency, benzalkonium chloride remains a potent antiseptic in practice, even in the presence of substantial quantities of serum. For instance, in the presence of as much as 50 per cent. serum, a 1 per cent. solution of benzalkonium chloride is only slightly less effective in destroying various organisms than is solution of chloroxylenol, B.P., and is, in fact, three times more effective than chloroxylenol against *Ps. pyocyanea*[11].

Toxicity

The toxicity of benzalkonium chloride has been widely studied[12], and the substance is generally regarded as innocuous. The tests include animal-feeding experiments, intraperitoneal, subcutaneous and intracutaneous injections in animals, tests on chick embryo tissue, experiments on the effect on the ciliary action in extirpated mucous membranes of the rabbit, instillation into rabbit and human eyes, application to animal mucous membranes, and patch tests on animal and human skin. A 0.1 per cent. solution of benzalkonium chloride, which is adequate for

most antiseptic purposes, is without irritant effect on human skin even after prolonged application. Stronger solutions give rise to irritation in susceptible persons and should not be used.

Physical Properties

Solutions of benzalkonium chloride can be odourless and colourless, and have pronounced wetting properties. Cetrimide, B.P.C., is probably a more powerful detergent, and is therefore more useful in the casualty department for cleansing dirty wounds. Aqueous solutions of benzalkonium chloride will rust many metals, owing to the oxidising action of the water, which is exacerbated by the wetting properties of the benzalkonium chloride.

Benzalkonium chloride has a pronounced deodorant action. The effect is not noticeable immediately, since it is not a question of masking a bad odour with a more pleasant one but of removing the offending odour. This quality is of particular importance for the treatment of malodorous linen in hospital wards.

Inactivation

Benzalkonium chloride is chemically and bacteriologically incompatible with anionic detergents such as soap and sodium lauryl sulphate[13]. Inactivation is not complete, as with the mercurial antiseptics and thioglycollic acid[14], but is sufficiently important to warrant careful consideration. In order to determine the practical importance of rinsing soap from the skin, the amount of soap that remains on the hands and the arms if left unrinsed after scrubbing was analysed; it totalled 637 mgm. When a 1 per cent. aqueous solution of benzalkonium chloride was applied to the skin with the soap remaining, the bactericidal activity was reduced by about 28 per cent. When a 0.1 per cent. alcohol/acetone solution of benzalkonium chloride was used the activity was reduced by only 6 per cent. Nevertheless, when benzalkonium chloride is used as an antiseptic, soap should not be present, nor should antiseptics containing soap such as lysol, solution of chloroxylenol, and antiseptics of the black fluid and white fluid types.

Uses of Benzalkonium Chloride

Benzalkonium chloride solutions may be employed as a general purpose antiseptic for application to the skin of patients and of medical and nursing staffs. They may also be used for the disinfection of hospital utensils and linen, but are not ver suitable for the sterile storage of surgic instruments, even if sodium nitrite added, because of the danger of rustin Solution of borax and formaldehyde better for that purpose. Though benza konium chloride solutions do not affe rubber, provided that the period of co tact is not prolonged, they should nev be used with synthetic-rubber appliance on which they have a definite deleterio effect.

There is no doubt that, because of i low cost and general properties, benza konium chloride will prove to be a usef disinfectant for many purposes.

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New Use for Mercury.—Frozen mercury is being used in the United States to replace wax in making patterns for casting metals. The mercury can be used repeatedly but the initial quantity required is large.

MISCELLANEOUS INQUIRIES

We do not undertake to analyse and report upon proprietary products nor to publish supposed formulas for them.

W.H.O. Publications.—*R. D. E.*—Publications of the World Health Organisation are obtainable in Great Britain from H.M. Stationery Office, P.O. Box 569, London, S.E.1.

Preservation of Milk.—*T. P. T.*—An emergency chemical method of keeping milk overnight domestically without refrigeration consists of mixing with the milk three drops per pint of formalin on the day of purchase. The concentration of formaldehyde is too small to be noticed.

Hair Lacquer.—*R.B.*—Below is a formula for hair lacquer containing benzoin:—

Resin	10
Gum benzoin	20
Alcohol	70
Perfume	q.s.

Colouring of Arsenical Preparations.—*J.J.T.*—The original method of colouring arsenical preparations, given in the Arsenic Act, 1851, was with either soot or indigo, and the method would, no doubt, still be in order. Certain preparations such as arsenic and sulphur sheep dips are sold coloured, but it would be advisable to consult a dyestuff manufacturer offering products for that purpose, as their use is highly technical.

Coal Tar Shampoos.—*J. A. N.*—The following is a useful formula for a coal tar shampoo:—

Pine tar	2½ oz.
Linseed oil	27 oz.
Caustic potash	6 oz.
Spirit	3 oz.
Water to	64 oz.

The pine tar generally used is one containing a substantial proportion of esters (bornyl acetate), e.g., the oil of *Abies sibirica*.

Sterile PAS Jelly.—*H. D. K.*—An improved formula for a sterile jelly of *p*-aminosalicylic acid (over the formula given in the *C. & D.*, August 25, p. 259) is as follows:—

Sodium *p* aminosalicylate ...	10.0
Methyl cellulose	7.0
Sodium metabisulphite ...	0.1
Water to	100.0

In some cases 20 per cent. sodium *p*-aminosalicylate has been found to be slightly irritant. Sterility is secured by aseptic technique.

PAPERS PRESENTED AT SALZBURG

Among papers read at the recent conference in Salzburg of the International Society for the History of Pharmacy (see *C. & D.*, December 10, p. 631) were the following:—

Kosmas and Damian Research

By Prof. Dr. Walter Artelt, Frankfurt-on-Main

[Abstract]

At the beginning of the present century the figures of Kosmas and Damian, the patron saints of doctors and pharmacists, seem to have disappeared. The philologist Ludwig Deubner set out to prove that they were purely imaginary and were created to direct the ancient cult of the healing gods into Christian channels. Deubner's thesis was taken over in medical-historical literature and was continually revived, though it was quickly contradicted by the philologists. Nowadays it is taken for granted that both Christian healers were historical figures.

The stories of miracle cures throw a new light on the medical and pharmaceutical history of late-ancient and pre-mediæval times. People in search of cures met at the shrines of Kosmas and Damian as they did once long ago at the Temple of Aesculapius, received medical attention, and awaited in their dreams the appearance of the two saints. To the famous Church of Kosmas and Damian which was built in a suburb of Constantinople in A.D. 5 a hospital and a pharmacy were attached. As the cult of Kosmas and Damian gained ground numerous works of art were created picturing the two saints, their martyrdom and their miraculous cures, but only a small proportion appeared in medical-pharmaceutical literature.

Pharmacists and the Chemistry of Foodstuffs through the Ages

By Prof. Dr. Walter Rothe, Berlin-Charlottenburg

[Abstract]

In the middle ages pharmacists also sold foodstuffs, e.g., wine, spirits of wine, spices and sugar, for which a special knowledge was required. Medical men took part in the supervision of foodstuffs. But with the advance of chemistry, from the beginning of the nineteenth century onwards, university lecturers on chemistry, who came almost exclusively from the ranks of pharmacy, became increasingly interested in research on foodstuffs. For a long time pharmacists were accepted as the experts in the examination of foodstuffs. But the opinion gained ground that special food products laboratories should be established. Even thirty years ago most of the food chemists were also pharmacists (Beckurts, Juckenack, Beythien and Griebel) and the study of food chemistry should still be open to pharmacists.

Heraldry in Pharmacy

By Prof. Dr. J. A. Hafliger, Lucerne

[Abstract]

The pharmaceutical profession was expressed in private coats of arms by an emblem in the same way as were a professional body or guild. For private use there were seals, glass paintings, coats of arms, "friendship books," patents of nobility and heraldry, mementoes of meritorious inventors and explorers, carpets, furniture, utensils and ex-libris.

For professional organisations such as schools of pharmacy, guilds, pharmaceutical societies, there were company seals, coats of arms and flags, crosses, symbols and engravings.

Seventeenth Century English History reflected in Pharmaceutical Antiques

By Agnes Lothian (Librarian of the Pharmaceutical Society of Great Britain)

For the benefit of the majority of listeners an outline of the address was given in German.

The lecture, which dealt mainly with the Commonwealth and Restoration periods, gave an insight into this turbulent era of English history. Excerpts from contemporary literature illustrated the part played by apothecaries during those events. After the historical introduction a series of lantern slides showed the influence of the times upon pharmaceutical objects of art and literature. The title pages of the four London Pharmacopœias gave a clear picture of the difference between the Commonwealth and the Restoration periods. Among the more interesting bell-metal mortars were examples bearing Republican coats of arms and Restoration mortars with the royal cipher and effigy of Charles II. Finally the lecturer showed a selection of English delft drug jars, whose characteristic decoration revealed the march of events.

NOMENCLATURE, NATURE AND CHEMICAL STRUCTURE OF NARCOTICS

3. The Ecgonine Alkaloids of Coca

ECGONINE is the basal product obtained from hydrolysis of the ecgonine alkaloids of coca (i.e., of cocaine, cinnamyl-cocaine and the (α- and β-) truxillines). Ecgonine is devoid of anæsthetic action. It is classed under "D.D." control as a "conversion" drug capable of being made into cocaine.

Cocaine is methyl-benzoyl-ecgonine (see figure 13). It is usually made synthetically from ecgonine obtained from crude cocaine or from the ecgonine alkaloids extracted

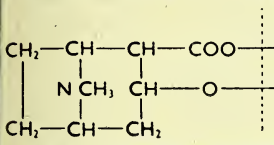


Fig. 13. Methyl-benzoylecgonine (cocaine)

from coca leaves. Cocaine remains in steady use in medicine owing to its invaluable properties as a surface anæsthetic in ophthalmic operations. Prevention of access has made addiction to cocaine comparatively rare.

Cocaethylene (ethyl-benzoyl-ecgonine) is a powerful anæsthetic which finds no place in medicine, presumably owing to "D.D." control.

Cinnamyl-cocaine and the truxillines present in crude cocaine are not met with in commerce.

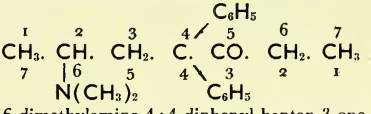
4. The Amidone Group

AMIDONE is prescribed for the relief of pain and the control of cough. It possesses an analgesic activity equal to that of morphine. Addiction to the drug proceeds somewhat slowly. Withdrawal symptoms are mild in intensity and subside without involving the autonomic nervous system (responsible for the yawning, uncontrollable twitchings, nausea, etc., with morphine). Amidone is being substituted for morphine in the treatment of addiction to that drug to alleviate withdrawal sickness during the reduction period.

The listing of amidone as a Dangerous Drug provides a classic example of the problems associated with devising a single "International" name for that drug.

The substance was listed in Great Britain during 1947 as "amidone (*dl*-2-dimethylamino-4:4-diphenyl-heptane-3-one)." That designation was withdrawn in 1950 in order to bring it into line with other members of the amidone group added to the "D.D." list. Fig. 14 shows that the new chemical name (6-dimethylamino-4:4-diphenyl-heptan-3-one) is derived by renumbering the carbon atoms in the heptane chain in the reverse direction from its original numeration.

dl-2-dimethylamino-4:4-diphenyl-heptane-5-one



6-dimethylamino-4:4-diphenyl-heptan-3-one

Fig. 14. Amidone

Nomenclature in international commerce had become quite confusing following the use of very different names for amidone, the name given in Germany to the research compound "Hoechst 10820," viz.:—

United States: Methadone (abbreviated to methadon in 1948).

United Kingdom: Miadone, amidone, Physeptone and methadon.

Other names: Adanon, amidon, AN 148, butalgin, dolophine and polamidone.

"Methadone" has been adopted by the World Health Organisation—a decision in direct conflict with the use of the present term (amidone) in the United Nations summaries on narcotics control.

Isoamidone (6-methyl-4:4-diphenyl-5-methylhexan-3-one) is, as its name indicates, an isomer of amidone with the methyl group at position 5 shortening the straight part of the chain of carbon atoms (from heptane to hexane). Its analgesic activity is about half that of amidone. The Expert Committee find that "isomethadone" is a drug liable to produce addiction.

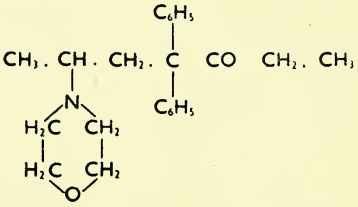


Fig. 15. 6-Morpholino-4:4-diphenyl-heptan-3-one (phenadoxone) (*See next page*)

Methadol (6-dimethylamino-4:4-diphenyl-heptan-3-ol) is the secondary alcohol produced by reducing the ketonic (CO)

group of amidone to CH.OH as indicated by the termination "-ol". The alcohols are weaker in analgesic potency than the ketones.

Methadyl acetate (6-dimethyl-amino-4: 4-diphenyl-3-heptyl acetate) is produced by the acetylisation of methadol. The replacement of CO (in amidone) by $CH.COCH_3$ increases and prolongs the analgesic activity (and presumably the addiction tendency) of methadyl acetate. Methadyl acetate and methadol are not available for medical use in Britain.

Phenadoxone (known also as "CB 11" and "Heptalgin" or "heptazone") has a "morpholino" radicle replacing the "dimethylamino" present in amidone (compare figures 14 and 15).

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

A MEETING of the Council of the Pharmaceutical Society of Northern Ireland was held in Belfast on November 16, the president (Mr. H. Gamble) in the chair. Also present were Messrs. W. H. Boyd (vice-president), H. P. Crossin (treasurer), S. E. Campbell, F. R. Moore, H. F. Moore, J. Irwin, W. P. Ewart, J. McGregor, C. Abernethy, W. C. Tate, H. H. Cowzer, J.P., P. R. W. Shinner, Dr. H. D. Heazley and Professor E. B. C. Mayrs. The secretary (Mr. W. Gorman) was in attendance. An apology for absence was received from Mr. H. J. Cousley, M.B.E., J.P.

The Ministry of Home Affairs had sent the Council a copy of S.R. & O., No. 163, Northern Ireland, which adds to the substances classified under the Dangerous Drugs Acts the following:—Dihydrocodeine; acetyldihydrocodeine,, 4-propionoxy - 4 - phenyl - 1-methyl-3-ethylpiperidine, and methorphinan (3-hydroxy-N-methylmorphinan).

It was agreed to grant a request from Dr. K. R. Capper (editor of the British Veterinary Codex) to hold a meeting in the Society's headquarters on December 11.

THE PRESIDENT reported on a visit he had paid to London to attend a meeting of the Conference Committee. He said he had taken the opportunity to discuss with the registrar of the Pharmaceutical Society of Great Britain and a number of members of the Council matters of common interest including the drawing-up of a code of ethics and questions of educational standards. It had been pointed out that it appeared desirable that the preliminary scientific examination should be taken before entry into pharmacy and he had found agreement that that procedure might be in Northern Ireland's interests.

THE PRESIDENT introduced a discussion on the methods to be adopted in considering amendments of the education regulations and issuing the code of ethics. He suggested that the matters were too wide in scope to be dealt with at an ordinary Council meeting.

It was decided that to refer the points to the Education and Law Committees for detailed examination, their reports to be placed before a special meeting of the Council. The secretary was instructed to discuss the desirability of certain changes in the pharmacy law with the Society's solicitor and counsel.

The Council adopted an amendment to Regulation No. 47, adding the examination for the General Certificate of Education of the University of London to the qualifications for the grant of the certificate of apprenticeship. A further amendment provides that the certificates presented for that purpose must have been obtained at a single examination. The amendments were moved by MR. MOORE, seconded by DR. HEAZLEY, and passed unanimously.

Controlling Entrants to Pharmacy

THE PRESIDENT pointed out that the amendments were temporary and designed to bridge the period before the new educational regulations came into force. The intention was to control the influx into the profession which was now being experienced Some temporary control was required in view of the fact that it might be eighteen months before the new Bill was passed by Parliament and the new regulations were brought into force setting a higher entrance standard. MR. GAMBLE also observed that while it had been suggested that the matriculation standard should be maintained in certain subjects, at the advanced level that examination seemed to demand too much from candidates.

The minutes of the Education Committee stated that applications had been accepted from seventy-two candidates to sit for the Preliminary Scientific examination in the week commencing December 10 and forty-six candidates to sit for the Qualifying examination.

Certificates of apprenticeship were granted to Mr. J. M. Dougan, Miss Mary Hassan, Messrs. V. N. McGrady, F. McNally, R. F. S. Thornton, S. Wright, T. J. McA. Kirby, I. H. McFarland, C. Watt and Miss Helen P. McShane.

PHARMACEUTICAL SOCIETY OF IRELAND

HE November meeting of the Council of e Pharmaceutical Society of Ireland was ld in Dublin on November 13, the presi- nt (Mr. J. P. Kissane) in the chair. her members present were Messrs. M. ostello (vice-president), H. P. Corrigan reasurer), P. A. Brady, T.D.; G. C. Neill, F. J. Robinson, N. A. McKane, C. Scott, P. F. McGrath, J. J. Roche, Brooke-Kelly, T. B. O'Sullivan, M. wer, A. A. Toher, J. Gleeson, and J. A. Rourke. An apology for inability to tend was received from Mr. C. D. Shea, Cork.

elcome to New Members

THE PRESIDENT welcomed Mr. Fred obinson on his first attendance at a uncil meeting, mentioning that he was e son of the late Sir Thomas Robinson past-president of the Society). MR. OBINSON thanked the president and uncil and assured them he would do s best in the interests of pharmacy. It as a sort of family tradition to serve on e Council, and he would do his utmost uphold that tradition.

A letter from Mr. T. C. Kirkpatrick egistrar, Royal College of Physicians of eland) stated that a resolution regarding nzedrine had been passed "That the inister for Health be recommended to ter the Order of October 5, 1939, by leting 'Benzedrine and its salts,' and in- rting in lieu thereof 'Amphetamine: its lts, its isomers, their salts.'"

Applications from Mrs. Clare Ann wyer (née Rooney), M.P.S.I., and Mrs. ary Henry (née McQuinn), M.P.S.I., re- uesting change of name in the Register cause of marriage were granted. Pre- inary registrations were notified in re- ect of Margaret T. Brady, Mary P. Bro- rick, Winifred M. Cullinane, Bernadette urtin, Mary C. Curtin, Brian Raftery, dward F. Harrington, John B. Henaghan, ary O'Mahony, Mary M. O'Neill, aurice O'Connor, and Eamon P. Tier- y. The reports of the House, Law and chools Committees were submitted and pproved. THE REGISTRAR reported on e deaths of Messrs. James Joseph Cos- ove, M.P.S.I., and David Rea, M.P.S.I.

THE REGISTRAR (Mr. J. G. Coleman, .L.), brought before the Council the text f the new Pharmacy Bill just introduced the Dail. It was decided that the pecial Educational Committee should be given powers of Council when considering the Bill, and in putting forward recommendations to the Minister for Health.

A letter was read from Mr. Arthur G. Allshire, M.P.S.I., Dublin, concerning the effect of an increase in the price of the official journal upon the membership of the Society. He asked the Council to consider the alternative of a "thirty-two county" weekly official journal produced in Ireland, or that the Council should request a greater amount of space in the official journal for items of interest to Irish readers. The letter was noted for future consideration.

The examiners stated that fifty-nine candidates entered for the October Licence examinations. Of the twenty-six women who entered eleven were successful. Thirty-three men entered and ten were successful (one with honours). For the Assistants' examination twenty-five candidates sat, fifteen of whom were successful. The examiners reported that they were most dissatisfied with the "slovenly workmanship" of most of the candidates.

The following changes of address were notified:—

P. J. Carragher, M.P.S.I., to High Street, Tullamore; Michael Daly, M.P.S.I., to 10 Glebe Estate, Howth Road, Raheny, Dublin; G. A. McLean Lee, M.P.S.I., to 8 Iona Crescent, Glasnevin, Dublin; C. W. Tipping, M.P.S.I., to Malahide Road, Coolock, co. Dublin; Mrs. Mary Henry, M.P.S.I., to Church Street, Charlestown, co. Mayo; Mrs. C. Dwyer, M.P.S.I., to 11 Bourke Street, Kilbernie, Wellington, New Zealand; Edmund Hayes, M.P.S.I., to 9 The Crescent, Shaftesbury Avenue, South Harrow, Middlesex, England; M. J. Macken, M.P.S.I., to 1 Newtown Avenue, Blackrock, co. Dublin; and James Mellerick, M.P.S.I., to 18 Patrick Street, Fermoy, co. Cork.

Members' Views

In a letter to the Council, Mr. G. W. Irwin, Blackrock, co. Dublin, wrote that the majority of members backed the Council's suggestions concerning the proposed new educational scheme—as proved by the fact that the scheme had been allowed to reach its present stage without any organised opposition. He suggested that the treasurer's annual report should show comparative figures for the previous year. The main point emerging was the "veiled threat" of an increase in the subscription. He expressed astonishment at the proportion of the Society's income that went in the purchase of THE CHEMIST AND DRUG-

GIST and felt that a temporary remedy should be sought. An increase in subscription might mean a loss of revenue due to a falling off of members. He suggested two levels of subscription: one to cover supply of the *C. & D.*, and one either without, or covering only the monthly "Irish Chemist and Druggist." Members should be invited to include a sum for the Benevolent Fund along with the cheque for the annual subscription.

MR. O'NEILL thought Mr. Irwin's suggestion about the Benevolent Fund was admirable. It would be serious, however, if that practice interfered with the work being carried out by the Fund's dance committee. Any such subscriptions could be handed over to the Dance Committee to augment their total. THE PRESIDENT felt they should consult with the Dance Committee before acting on Mr. Irwin's suggestion. MR. ROCHE said there were several good points in Mr. Irwin's letter. The Photographic Dealers' Association had adopted a similar suggestion to that made by Mr. Irwin. The question of whether a member took the *C. & D.* should be voluntary. If reminders were sent out he was sure members would include something for the Benevolent Fund in their cheque. MR. BRADY agreed with the president about consulting the Dance Committee. MR. O'NEILL mentioned that Mr. Irwin always attended the annual meetings of both the Society and of the Irish Drug Association. A letter of thanks should be sent to him. THE REGISTRAR said the letter had been acknowledged.

Health Scheme

THE REGISTRAR reported that a deputation from the Council had been received recently by the Department of Health for discussions in connection with any future Health Scheme. Mr. McKane congratulated the members of the deputation on the case they had made. MR. O'ROURKE drew attention to abuses in the issue of drugs and medicinal supplies from dispensaries of the voluntary hospitals, and suggested that something should be done about it. THE PRESIDENT said that no such abuses existed in the hospitals in the country, or in dispensaries run by the local authorities. MR. BRADY pointed out that the matter was one for the management committee of each hospital.

In reply to MR. TOHER it was stated that any pharmaceutical health scheme would be drafted by the Joint Committee of the Council and the I.D.A. A letter from Mr Richard F. Timoney (lecturer in pharmacy) thanked the Council for its congratulations on his receiving the degree o M.Sc. For the post of examiner in chemistry the Council appointed Mrs. Eva Philibin, M.Sc. (chemistry department, University College, Dublin). Mr. David Roice M.P.S.I., was re-elected examiner to th Assistants' examination.

The Licence certificates of the following we signed and sealed: Brigid Mary Cloonan, Mar Josephine Doherty, Patrick James Fay, John M Donnell, Michael Joseph Macken, Thomas Joh Murray, Alice Teresa O'Neill, Patrick Josep O'Brien, Geoffrey Thomas O'Connor, Catherir Ceara Quigley, Ellen Mary Raftery, Garrett Pa rick Ryall, John Sheahan and Julia Sheahan. Th following were elected members of the Society Miss Bridget P. Elliott, Miss Catherine P. Ha non, and Mr. Timothy Ryan. *The following we nominated for membership:* Dr. Joseph Crowle The Square, Newcastle West, co. Limerick; M Nicholas F. Dillon, Cappamore, co. Limerick; Mi Mary Halpenny, 2 Captain Road, Kimmage, Du lin; Messrs. John McDonnell, St. Margaret Leenane Road, Westport, co. Mayo; James M lerick, 18 Patrick Street, Fermoy, co. Cork; Ga rett P. Ryall, Whitechurch, Cappagh, co. Wate ford; Charles A. Roche, 2 Rathdown Villa Terenure, Dublin; William P. C. Sayers, 82 Cha ter Avenue, Canley, Coventry, England; Jam Roche, 64 Orwell Park, Rathgar, Dublin; Patri Crowe, 3 Crofton Terrace, Dun Laoghaire, c Dublin; Michael J. Macken, 1 Newtown Avenu Blackrock, co. Dublin; and Miss Ellen Spillan Artane, Dublin.

At a meeting of the Benevolent Fur Committee held at the conclusion of th Council meeting THE REGISTRAR reporte that he had received a subscription £15 15s. from the Limerick Chemists' A sociation. A motion was passed expres ing the Council's thanks to the Associati for its generous donation. Some gran were then passed for payment.

WORLD TRADE

Indian Shellac Shipments.—Exports shellac and seedlac from India duri October amounted to 34,752 packag against 38,491 packages in October 195 The United States was the principal buy

German Pharmaceutical Exports.— West German pharmaceutical exports rc to a value of 140 million marks during t first nine months of 1951 from 90 milli marks for the whole of 1950. Specialit accounted for only 40 per cent. of t total compared with 64.3 per cent. in 19 and 78.5 per cent. before the war. Turk Greece, Switzerland, Holland, Belgium a Persia were the best markets.

A TRADE PERSONALITY RETIRES

MR JOHN RENNIE, J.P., M.P.S., has retired after over forty years with . B. Cartwright, Ltd., Rawdon, Leeds, ing to become its managing director r thirty years. Mr. Rennie has many emories of his early days in pharmacy— how he drew his first tooth, for example, d how he was recalled to deal with a g he had poisoned (rigor mortis set in soon as it was removed from the atmo here of ammonia surrounding the dung ll on which it had been thrown).

Mr. Rennie served his apprenticeship in e days when shop hours were from 8 a.m. 8 p.m. Monday to Thursday, to 9 p.m. iday and to 10 p.m. Saturday. That cant, for him, catching the 6.33 train ch morning. There was no pay for the st two years, after which the rate was . a week. Every Tuesday he spent seven urs (2-9 p.m.) of his half-day at the rthern College of Pharmacy, Manches r. He completed apprenticeship on Sep mber 21, 1904, while still too young to alify, so he spent three months whole me at the Northern College and quali d in January 1905, becoming a life ember of the Pharmaceutical Society. fter experience in Malvern and Newquay, r. Rennie bought a small retail business Blackburn and became secretary of the rth-eastern Lancs Chemists' Association. e later sold that business and bought a op in Chorley, Lancs, which he subse uently sold to join W. B. Cartwright, Ltd. 1910. At that time the company was oused in a terrace house at Burton Ter ce, Leeds, but it soon took additional emises at Rowland Road, Leeds, and in ly 1911 moved lock, stock and barrel to awdon, where it remained.

he Story of "Moorlands"

"When I was travelling in the early ays," writes Mr. Rennie, "I called upon penshaw's, of Blackburn. Both J. W. penshaw and his wife were pharmacists. rs. Openshaw asked me if we could make palatable antacid lozenge to sell at a asonable price. So with the aid of the .P. and the formula for troch. bismuthi . and tinct. lavendulae co., together with me imagination, Moorland indigestion blets were evolved."

By and large I think that the most out anding changes during the past fifty ars in the practice of pharmacy have en brought about first, by the adoption of the principles of the Proprietary Articles Trade Association thus ensuring a profit to the retail pharmacist, instead of selling in competition with the multiple grocers at a loss. Another thing, of course, has been the influence of the multiple chemists and the chain stores. Their brighter shop premises, both inside and out, taught the pharmacist that he must follow suit. The greatest thing of all, I think, has been the National Health Service. Not only has the pharmacist derived direct benefit, but he has benefited indirectly, since more and more patients have visited his pharmacy and made casual purchases.

How very, very different the practice of retail pharmacy is today! In my view definite progress has been made. What the future holds one cannot say, but my own view is that before long we shall have State dispensaries in the larger cities and towns, just as we have State post offices, and in smaller communities the work will be given out to individual pharmacies and administered much in the way sub post offices are administered today.

FIFTY YEARS AGO

Difficulty of Obtaining Apprentices

From the C. & D., November 23, 1901

He [Mr. A. Milne] pointed out at the outset that pharmacy holds out less opportunity of securing wealth and distinction than other professions, and that the same amount of preliminary training is required for pharmacy as with these others, so that the natural tendency is that fewer come into pharmacy. He did not attribute the present scarcity of apprentices entirely to the stiffness of the new Preliminary examination, for there are other kinds of business which are more remunerative, and in which the conditions of labour are better, such as clerkships in banks, etc., and in which no such examination is required. He considered that the old Preliminary examination was quite sufficient, and that the Pharmaceutical Society made a great mistake in abolishing it, especially as the Society has thus lost touch with those who enter the trade. Under the new conditions it is as costly to qualify as a chemist and druggist as to take the degree of M.A. or M.B., Ch.B., at Aberdeen University. . . . Steps should be taken to have the matter remedied, as otherwise the future of pharmacy will be deplorable.

WHAT CHELTENHAM CHEMISTS ARE THINKING

OPINIONS expressed recently to a *C. & D.* interviewer by pharmacists in this Gloucestershire health and pleasure resort on the edge of the Cotswolds varied as widely as the types of pharmacies found. In the fashionable district, pharmacists continue to do a fair amount of private dispensing, and were strongly against too ready acceptance of any terms the Ministry might offer. In these pharmacies the overhead expenses are high and constantly increasing, and the proprietors have provided first-class facilities at no small cost. They are conscious that their private dispensing and personal connections are subsidising the cost of the National Health Service so far as they are concerned.

Minimum Rate for Efficiency

MR. H. L. WADE, M.P.S., Spa Pharmacy, Montpelier, Cheltenham, has conducted his business on lines in keeping with the classical frontage of the premises. For twenty-one years the windows have not been used for displaying goods of any kind. Mr. Wade found the present N.H.S. rates to contracting chemists unsatisfactory. "To provide an efficient and ethical service, as I have aimed at doing, the minimum rate should be 33⅓ per cent. It is fortunate for me that, of my total dispensing, at least 30 per cent. is private, and that that work has subsidised N.H.S. dispensing. As you know," added Mr. Wade, "the Gloucester and district delegates voted in July against acceptance of the Ministry's terms, and support was strong in Cheltenham for their stand." Mr. Wade thought the Council of the Society had panicked in its educational schemes. "If you can model pharmacy in this country on French lines, very well, but I say the higher grades are quite impracticable and unsuitable for present-day retail pharmacy."

MR. F. C. HARRISON, M.P.S. (manager of Harold Miller, Ltd., 98 High Street, Cheltenham) declared that delay in final settlement of chemists' accounts was less important than securing that scripts were accurately priced. Private dispensing was now of comparatively minor importance, and counter trade had shown some shrinkage. Therefore every step should be taken to ensure that pharmacists were not underpaid at present or in the future. "I realise the difficulties, but it would be helpful if a country-wide series of refresher lectures could be arranged by co-operation between the Society and its Branches for the benefit of pharmacists who are at present engaged in retail."

MR. A. B. HUTCHEON, M.P.S., 1 High Street, Cheltenham, was generally critical of the Society's Council. Its policy, he said, seemed to offer little that would provide support for the retailer in the years ahead. "In educational matters they ignore our requirements and seem only concerned in turning out men and women suitable for the laboratory. Perhaps if the Council were more representative of the members we should see a difference."

MR. C. NORMAN, M.P.S., 15 Montpelier Walk, Cheltenham, said that his cash sales had been maintained since the introduction of N.H.S. and constituted about 75 per cent. of his total trade. "It is, of course, a personal connection, and I find that the N.H.S. side of my business tends to interfere with my private trade." In the days of National Health Insurance, an N.H.I. script "for father" was often accompanied by demands for medicinal requirements for the rest of the family. Now, of course, it was usually dispensed under N.H.S., and the change in character of sales showed a distinct loss on present rates of payment. "From my experience a fair rate for chemist contractors would be a minimum of 33⅓ per cent. on ordinary products."

Call for "All-in" Fee

MR. HAROLD F. JOHNSON, M.P.S. (manager, Cheshire Ltd., Charlton Kings, Cheltenham), said that as the manager of a pharmacy located on the outskirts of Cheltenham, he would like to see a complete revision of the basis on which contractors under the dispensing service were paid. He would like to see introduced what would amount almost to an "all-in" dispensing fee for each prescription, plus, of course, the value of the product dispensed. It would make the service much more professional. "I should also like to see a complete revision of the constitution of the Society's Council. A certain number of seats should be allocated for nominations by other pharmaceutical bodies, such as the Guild of Public Pharmacists. The remainder of the Council—the majority—should be elected on a system of divisional elections."

[An interview with Mr. W. Talvan Rees, Cheltenham, was given in the *C. & D.* November 10, p. 634.]

TRADE REPORT

pot quotations for pharmaceutical chemicals represent the prices for wholesale quanti-es of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

London, November 21

THERE were no major price changes in PHARMACEUTICAL and FINE CHEMICALS uring the week. A fair volume of busi-ess was transacted, but many shortages re still apparent.

A little more interest was shown in CRUDE DRUGS. ERGOT is easier forward nd on the spot. BUCHU has declined two-ence per lb., with prospects of new-crop aterial in a month's time. There has een a fair inquiry for IPECACUANHA, with olumbia and Nicaragua both offering. IENTHOL, at 77s. 6d. per lb., c.i.f., is firm t origin, though a parcel afloat is offered t under that figure. A slightly firmer one is also noted in the Brazilian material. fter declining at origin, Zanzibar LOVES became firmer, and spot quotations ave been further marked up. Business n AROMATIC SEEDS is generally quiet, but ORIANDER continues firm. The value of ONEY to be imported under licence has een announced by the Board of Trade see page 673). The figure of £5,000 for he period up to June 30, 1952 would ppear to be small. No doubt the authori-ies have borne in mind that there are air quantities of Empire material vailable.

The only ESSENTIAL OILS that appear o have been in greater demand following he revocation of open general licences ave been those of Chinese origin. Spot EPPERMINT was marked up by at least s. per lb., and Brazilian material hard-ned by a similar amount in sympathy. t a first sight the quota of £2 millions for mported essential oils appears reasonably ood, since the value of such imports dur-ng the period January 1 to June 30 was ust over £2 millions. The quota, however, as to last until the end of June, 1952. he cut is therefore approximately one-eventh. In allocating individual licences ithin this quota, account will be taken f the volume of imports made by indivi-ual applicants during the first six months f 1951. Licences will be valid until the nd of the period, and importers will be ree, within the value of their licences, o import from any one or more of the ountries covered by them. Quotations for EMONGRASS from origin are again easier. ASTOR is advanced by £40 per ton, owing o a shortage of seeds. The only seeds rriving in this country are from British East Africa, as India is still retaining her supplies for domestic use, and there are oreign exchange difficulties in the way of btaining South American supplies. The market for the oil is decidedly quiet.

The Treasury, on November 19, made the Import Duties (Drawback) (No. 26) Order, 1951 (S.I. 1951 No. 1933), which provides for drawback to be allowed on Customs duty paid on imported linseed oil used in the manufacture of linseed oil fatty acids.

U.S. Drug and Chemical Report

New York, November 14

IN resale markets SODIUM HYPOSULPHITE has weakened, and white SAL AMMONIAC is being quoted below 5 cents per lb. in the face of good quantities on the market. Recent advances for Chilean IODINE have not affected the domestic material, which is still priced at $1.70 per lb. against $2.04 from source. BISMUTH SALTS and BROMIDES are moving at a good rate. Quotations for CHLOROPHYLL have been withdrawn by some houses, owing to heavy demand. A further decline in Brazilian MENTHOL has brought the price down to $9.40 per lb. (10 cents down), but Chinese material is expected to hold firm at $10.40. In the ESSENTIAL OILS market SPEARMINT, with supplies small, is firmer at $7.60 to $8.40 per lb. CITRONELLA has dropped to $1.05 per lb. (5 cents below previous levels).

Pharmaceutical Chemicals

ADRENALINE.—B.P. is nominally from 3s. to 3s. 6d. per gm. for natural and 2s. to 2s. 6d. for synthetic; racemic, 2s. per gm.

AMMONIUM CARBONATE.—Lump is 67s. 6d. per cwt.; powder, 70s. 6d. BICARBONATE is 65s. 4d. per cwt.

ANTIMONY SALTS.—Quotations for POTASSIUM TARTRATE are from 9s. 5d. to 9s. 8d. and for SODIUM TARTRATE from 11s. 6d. to 11s. 8d. per lb. CHLORIDE (tri) is from 6s. to 6s. 3d. per lb. SULPHIDE is quoted at from 310s. to 320s. per cwt.

ASCORBIC ACID.—1-kilo lots for the home trade are £14 per kilo; 500-gm., £14 10s. per kilo.

CAFFEINE. — Rates (per lb.) are as follows :—

	1 cwt.	28 lb.	7 lb.
	s. d.	*s. d.*	*s. d.*
ALKALOID, B.P. ...	50 0	51 9	52 0
ALKALOID ANHYDROUS	51 6	52 6	53 6
CITRATE, B.P.C. ...	29 0	30 0	31 0
and SODIUM BENZOATE, B.P. ...	31 3	31 0	32 0
and SODIUM SALICYLATE, B.P.C.	31 3	32 3	33 3
and SODIUM IODIDE...	37 9	38 9	39 9

CALCIUM GLUCONATE. — Quantities of 3 cwt. and upwards are quoted at 4s. per lb.; 1 cwt. to 2 cwt., 4s. 1d.; smaller quantities, up to 4s. 4d. per lb.

CHLOROFORM.—1-cwt. lots in winchesters are 3s. 3½d. per lb.; 56-lb., 3s. 4d. In drums, prices are 3s. 2d. and 3s. 2½d.

CHRYSAROBIN.—In 1-cwt. lots, B.P.C. is 37s. 6d. per lb.; 1-lb., 39s. 3d.

DDT.—1-cwt. lots are now quoted at 4s. 3½d. per lb.

MAGNESIUM OXIDE. — Rates for LIGHT, B.P., are as follows:—5-cwt. lots, 3s. in bulk; 28-lb. in tins (free), 5s. 3d. per lb. In bulk packing, HEAVY, B.P., is 4s. 10d. per lb.

RESORCIN.—Prices are from 12s. 3d. per lb. MONOACETATE is from 16s. to 17s. 6d.

SILVER SALTS.—NITRATE: In 1,000-oz. lots is 4s. $1\frac{9}{16}$d. per oz; PROTEIN unchanged at from 36s. 3d. to 42s. 9d. and for VITELLIN from 68s. 6d. to 76s. 6d. per lb., as to quantity.

STILBŒSTROL.—Quotations are from 1s. to 1s. 4d. per gm., as to quantity.

SULPHOCARBOLATES.—SODIUM PHENOLSULPHONATE, B.P.C. (powder) is now 6s. 5d. per lb. in 28-lb. lots; 7-lb., 6s. 9d. per lb. ZINC, B.P.C., is 6s. 1d. per lb. (28-lb.).

Crude Drugs

ACONITE.—Spanish *napellus* is 3s. 6d. per lb., duty paid, ex wharf.

AGAR.—Firm. Kobé No. 1 on the spot is quoted at 8s. 9d. per lb., duty paid.

ALOES.—Prime Cape on the spot is 230s. per cwt.; forward offers are quoted at about 205s., c.i.f., for prompt shipment.

BALSAMS.—*Canada* is offered at from 28s. to 30s. per lb. on the spot, according to holder. Maranham *Copaiba*, on the spot is 17s. 6d. per lb., duty paid; insoluble, 10s., c.i.f. *Peru* is 18s. 9d. per lb., duty paid, and 15s., c.i.f., for shipment. *Tolu* on the spot is about 40s. per lb. for the natural and 32s. 6d. for B.P. quality.

BUCHU.—Quiet. Short round leaves on the spot are offered at 1s. 10d. per lb.

CASCARA SAGRADA. — New-peel American bark is 300s. per cwt., c.i.f., and 335s., duty paid. 1950 bark is available at 340s. per cwt., duty paid.

CHERRY BARK.—Thin cut natural is quoted at 2s. per lb., duty paid, ex warehouse London.

CINNAMON. — For shipment (c.i.f.): OOOO, 2s. 11d.; OOO, 2s. 9½d.; OO, 2s. 8d.; O, 2s. 6½d.; firsts, 2s.; seconds, 1s. 11d.; thirds, 1s. 10¼d.; quillings, 1s. 7d.; featherings, 1s. 0¾d.; chips, 5¼d. per lb.

CLOVES.—Firm. Zanzibar on spot, quoted at 5s. per lb.; for prompt shipment, 4s. 10d., c.i.f.

ERGOT.—Forward quotations of Portuguese are at 52s. 6d. per lb., c.i.f., nominal. Spot is at 55s. per lb., nominal.

GALANGAL ROOT. — Forward quotations are about 87s. 6d. per cwt., c.i.f., for November shipment. On the spot, 107s. 6d. is asked.

GENTIAN.—French natural on spot from 120s. to 127s. 6d. per cwt.; for shipment, 115s., c.i.f. Sliced is 150s. per cwt. on the spot.

GINGER.—African on the spot is from 260s. per cwt.; for shipment, 240s., c.i.f. Jamaican on the spot is from 470s. to 490s. per cwt., as to quality.

GUAIACUM RESIN. — Spot quotations are in the region of 3s. 3d. per lb.

GUM ACACIA.—Kordofan cleaned sorts spot, quoted at 122s. 6d. per cwt.; November-December shipment, 113s., c.i.f.; new crop, February-March, 1952, shipment 115s., c.i.f.

IPECACUANHA.—Forward offers are: Cartagena, 55s. per lb.; Nicaraguan 58s. 6d., both c.i.f., November-December shipment. Spot material prices are 57s. 6d. and 63s. 6d. per lb., respectively.

KOLA NUTS.—African halves on the spot in London are from 5d. per lb.; to come forward, 4¼d., c.i.f.

LANOLIN.—Current quotations for B.P. anhydrous, are about £175 per ton and hydrous, £150.

LIQUORICE. — Anatolian natural wild root on spot in London is quoted at 5s. per cwt.; Syrian natural is from 45s. to 47s. 6d. per cwt. Turkish block juice quotations are from 170s. upwards, according to holder, duty paid. Turkish stick is 240s. per cwt., duty paid. Italian stick, 240s. to 475s. per cwt., duty paid.

MACE. — West Indian pale blade is 9s. 3d. per lb.; for shipment, 9s., c.i.f.

MENTHOL.—Firmer. Chinese is 82s. 6d. per lb., duty paid, and 78s. in bond Hafloat, 77s., c.i.f.; shipment, 77s. 6d., c.i.f. Brazilian is 81s. 6d., duty paid. Synthetic, detached crystals, 60s. per lb. for 60-lb. case lots.

MERCURY. — Spot quotations are from £73 5s. to £73 10s. per flask, ex warehouse.

NUTMEGS.—West Indian 80's, quoted at 4s. 3d. per lb. on the spot and 3s. 8½d., c.i.f. for shipment. East Indian for shipment are quoted at from 3s. 8d. to 3s. 10d., c.i.f.

ORANGE PEEL.—Firm. Spanish bitter quarters. 1s. 4d. and 1s. 10d. as to source; sweet ribbon, 1s. per lb., duty paid.

ORRIS ROOT.—Florentine is offered at 160s. per cwt., ex warehouse.

QUASSIA.—Chips on the spot are offered at 35s. per cwt., ex wharf terms.

QUILLAIA. — Whole bark on spot is 150s. per cwt. Cut bark is offered at 170s. per cwt., ex warehouse.

RHUBARB.—Dull. Double Deer No. 1 is offered at 9s. 6d. per lb., duty paid, with other grades of Chinese rough round from 7s. to 9s. per lb., duty paid. Spot supplies of Shensi are offered at 12s. 6d. per lb.

SCAMMONY.—Forward quotations of root are 10½d. per lb., c.i.f.

EEDS.—ANISE.—Unchanged. Cyprus is s. per cwt.; Turkish, 150s. in bond, 160s., duty paid, all spot London. RAWAY.—Dutch is offered at 130s. per ., duty paid, spot London. CELERY.—ian reported sold at 1s. 10½d. per lb., t London. CORIANDER. — Market con-ues firm. Morocco is 90s. per cwt. in d, and 97s. 6d., duty paid; Indian, 120s. cwt.; Argentine splits, from 80s. to . 6d. per cwt., duty paid. Shipment: rocco for November-December shipment eased from 92s. 6d. to 90s. per cwt., f. London, but no business is reported. MIN. — Market continues quiet on the t. Cyprus is 225s. per cwt.; Indian, 0s.; Malta, 225s.; Morocco, 230s., duty d. Shipment: Cyprus, 195s. per cwt.; dian, 192s. 6d.; Malta, 200s. per cwt.; rocco, 185s. per cwt., all basis, c.i.f. ndon. DILL.—Indian has been sold at s. per cwt., spot London. FENNEL.—In-n on spot is offered in small lots at 0s. per cwt. New-crop for January, 1952, pment is quoted at 250s. per cwt., c.i.f. ndon. FENUGREEK. — Spot Morocco is iet. 47s. 6d. per cwt. quoted, duty paid, ndon or Liverpool. MUSTARD.—English firm at from 95s. to 110s. per cwt., ac-ding to quality.

SENNA.—Tinnevelly leaves are offered on e spot at from 11d. to 1s. 5d. per lb., cording to quality. Pods are 2s. 2d. per for manufacturing quality and from 6d. to 3s. 3d. for hand-picked. Alex-dria pods are from 5s. to 7s. 6d. on the ot.

SHELLAC.—Quiet. Spot quotations are: O.T.N., pure, 370s.; F.O. Standard 1, 0s., and fine orange, 395s. to 455s. per t., ex-London warehouse.

SQUILL. — Italian white new-crop is ered from origin at 57s. 6d. per cwt., .f. London. Spot is 65s. per cwt.

STYRAX.—Spot is from 9s. per lb., duty id, and 8s. in bond.

TRAGACANTH.—No. 1 ribbon on the spot £175 per cwt.; No. 2, £150; No. 3, £130.

TURMERIC.—Madras finger is offered at om 85s. per cwt., spot London; for ship-ent, 72s. 6d., c.i.f.

WAXES.—BEES'.—Dar-es-Salaam on the ot is 580s. per cwt.; shipment, 540s., i.f. Benguella on the spot is 580s., duty id (in bond, 550s.). November-December ipment, 520s., c.i.f. CANDELILLA.—Spot pplies are offered at 620s. per cwt.; ipment, 620s., c.i.f. CARNAUBA.—Prime, ellow, spot, 1,080s. per cwt.; shipment, ,030s., c.i.f. Fatty grey, spot, 890s. per wt.: shipment, 875s., c.i.f. MONTAN.—eibeck crude on the spot is 132s. 6d. per wt. OURICURI.—Spot, 0.5 per cent. im-urities, 800s. per cwt. SPERMACETI.—pot supplies are from 2s. to 2s. 3d. per lb.

WITCH HAZEL.—Leaves on the spot are uoted at 2s. 6d. per lb.

Essential and Expressed Oils

ANISE. — Firm. Spot quotations are 10s. 3d. per lb. in original drums; for shipment, 9s. 9d., c.i.f., nominal.

CASTOR.—Advanced. B.P. oil on the spot is £306 per ton; Firsts, £300; Seconds, £290, all in non-returnable drums, ex mill. Quotations for forward delivery are from £10 to £25 per ton less than spot prices as to date.

CEDARWOOD.—Spot quotations for Kenya are from 5s. 6d. per lb.

LAVANDIN. — Spot quotations are 24s. per lb.

LEMON.—A weak market. Sicilian hand-pressed (4 per cent. citral) is quoted at prices up to 60s. per lb., c.i.f.

LEMONGRASS.—Easier forward. Quotations for November-December shipment are 19s. per lb.; afloat, 20s. 6d. per lb. Spot supplies are nominal.

LIME.—West Indian distilled is about 67s. 6d. per lb., spot.

NUTMEG.—English-distilled oil is about 55s. to 57s. 6d. per lb. Imported oil (B.P.) is about 34s., duty paid.

OLIVE. — French virgin oil in 48-gall. drums, spot, is 26s. per gall.; pharmaceutical, 25s. 6d. per gall. French virgin (maximum acidity 1 per cent.) is offered for shipment at £275; Tunisian virgin at £265; and French pharmaceutical (maximum acidity 0.25 per cent.), at £260 per 1,000 kilos, c.i.f. London.

ORANGE.—In short supply. West African is about 38s. 6d. per lb., duty paid. Palestinian is about 30s. per lb.

PALMAROSA.—Spot quotations are nominally 55s. to 52s. 6d., c.i.f., forward.

PENNYROYAL.—New-crop for immediate shipment is offered at from 29s. to 35s. per lb., landed, duty paid, as to source. Spot supplies are available at 35s. per lb.

PEPPERMINT. — Chinese *arvensis* oil on spot is scarce. Limited supplies at 38s. per lb. Brazilian for shipment is 29s. per lb., c.i.f., and spot, 31s. nominal.

PIMENTO BERRY. — English-distilled oil, 62s. 6d. to 65s. per lb. Imported oil is from 45s. to 47s. 6d. per lb., spot.

PINE.—*Pumilionis* on the spot is quoted at from 18s. to 20s. per lb.; *sylvestris* is at about 11s. per lb., and Siberian (*abietis*) is about 20s. per lb.

ROSEMARY. — Spanish on the spot is 7s. 3d. per lb., duty paid.

SAGE. — Spanish is offered at 11s. per lb., spot.

SANDALWOOD. — Mysore oil on spot is from 82s. 6d. to 85s. per lb. East Indian, Dutch - distilled (95 per cent. santalol), 105s. per lb., duty paid. West Indian is available at 25s. per lb., spot. English-distilled, 90s. per lb.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, November 26

MERSEYSIDE BRANCH, NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, Y.W.C.A. Room, Slater Street, Liverpool, at 7.45 p.m. Address by Mrs. E. West (Milton Antiseptic, Ltd.). Films: "Cross Infection" and "The Birth of a Drug." Tea at 7.15 p.m.

Tuesday, November 27

DARTFORD BRANCH, PHARMACEUTICAL SOCIETY, Wellcome Club, High Street, Dartford, at 8 p.m. Mr. L. G. Murphy on "American Pharmaceutical Industry." Refreshments at 7.45 p.m.

EASTBOURNE BRANCH, PHARMACEUTICAL SOCIETY, 2A Terminus Buildings, Eastbourne, at 7.30 p.m. Members' evening.

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Stratford Church Institute, 27 Romford Road, London, E.15, at 8 p.m. Student Associates' meeting to inaugurate Junior Branch.

GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Craig's restaurant, 19 Gordon Street, Glasgow, at 7 p.m. Dinner-dance. Ticket, 21s.

HARROW BRANCH, PHARMACEUTICAL SOCIETY, and HARROW BRANCH, NATIONAL PHARMACEUTICAL UNION, Oak Hall, Baptist Church, College Road, Harrow, at 7.30 p.m. Messrs. R. Hayward and Anderson Stewart (chairman and secretary, Middlesex Pharmaceutical Committee) on "Matters Relating to the Pharmaceutical Committee and National Health Service Problems." Discussion. Members from other branches specially invited.

PORTSMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Portsmouth Municipal College, at 7 p.m. Address by Dr. H. Davis (chief pharmacist, Ministry of Health).

Wednesday, November 28

BIRMINGHAM PHARMACEUTICAL ASSOCIATION and BRANCH, Botanical Gardens, Edgbaston, Birmingham, at 8 p.m. Dance. Ticket, 7s. 6d.

ILFORD, BARKING AND WEST ESSEX BRANCH, NATIONAL PHARMACEUTICAL UNION, Reference library, Gants Hill Library, Cranbrook Road, Ilford, at 8 p.m. Annual meeting.

LIVERPOOL CHEMISTS' ASSOCIATION and BRANCH, Adelphi Hotel, Liverpool, at 7.30 p.m. Annual supper-dance in aid of the Societys' Benevolent Fund. Ticket, 21s.

Thursday, November 29

FEDERATION OF SOUTH-EASTERN PHARMACISTS, Southover Grange, Lewes, at 7.30 p.m. Annual meeting. "Any Pharmaceutical Questions" answered by Messrs. H. Noble (secretary, National Pharmaceutical Union), D. W. Hudson (a member of Society's Council and of N.P.U. Executive), and H. B. Mackie (head of department of pharmacy, Brighton Technical College).

MANCHESTER PHARMACEUTICAL ASSOCIATION and BRANCH, and MANCHESTER BRANCH, GUILD OF PUBLIC PHARMACISTS, Crumpshall Hospital lecture theatre, at 7.45 p.m. Mr. A. Sampson (secretary, North Manchester Hospital Committee) on "Administration."

PLYMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Goodbody's café, Mutly Plain, Plymouth, at 1 p.m. Luncheon.

WOMEN'S SECTION, LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Capitol Ballroom, Meanwood, Leeds, at 8 p.m. on December 4. Dance in aid of the Society's Benevolent Fund and the Infantile Paralysis Fellowship. Ticket, 5s., from Miss P. Branson, 424 Stonegate Road, Moortown, Leeds, 7 (telephone, Leeds 66671).

LONDON PHARMACY RAMBLERS, Ramble to chalk country around Manuden, Herts, December 2. Coach from Charing Cross (Embankment), 9.30 a.m.

TRADE MARKS

From the "Trade Marks Journal," November 7

For all goods, excluding dietetic foods and infants' and invalids' foods (5).

ZUBE, 701,395, by F. W. Hampshire & Co., Ltd., Derby.

For all goods (5).

DORNOKINASE, 701,463, by the Wellcome Foundation, Ltd., London, N.W.1.

For cameras (9).

AGIFLASH, 700,044, by Agilux, Ltd., Croydon.

From the "Trade Marks Journal," November 14

For industrial, scientific and photographic chemicals (1).

PHILIPS and circular device, B669,314, by Philips Electrical, Ltd., London, W.C.2.

For photographic articles and substances (1).

GEVAPAN, GEVARTO, 692,667-68, by Gevaert Photo-Producten Naamloze Vennootschap, Mortsel.

For sensitised photographic materials and substances (1).

AICO, B698,690, by Apparatus and Instrument Co., Ltd., London, S.W.14.

For detergents (3).

GRE-SOLVENT, 687,346, by Perkin & Co., Ltd., Leeds. PASTROL, 701,400, by Joseph Crosfield & Sons, Ltd., Warrington.

For non-medicated toilet preparations for the hair (3).

BANDBOX, 697,344, by Ashe Laboratories, Ltd., Leatherhead.

For all goods (3).

Device of lock of hair and pestle and mortar, 699,437, by D. & B. Hairdressers Products, Nottingham.

For non-medicated toilet preparations (3).

FRAIR, 701,129, by the International Import & Export Corporation, Ltd., Nassau. DELURE, 701,281, by F. W. Hampshire & Co., Ltd., Derby.

For all goods (5).

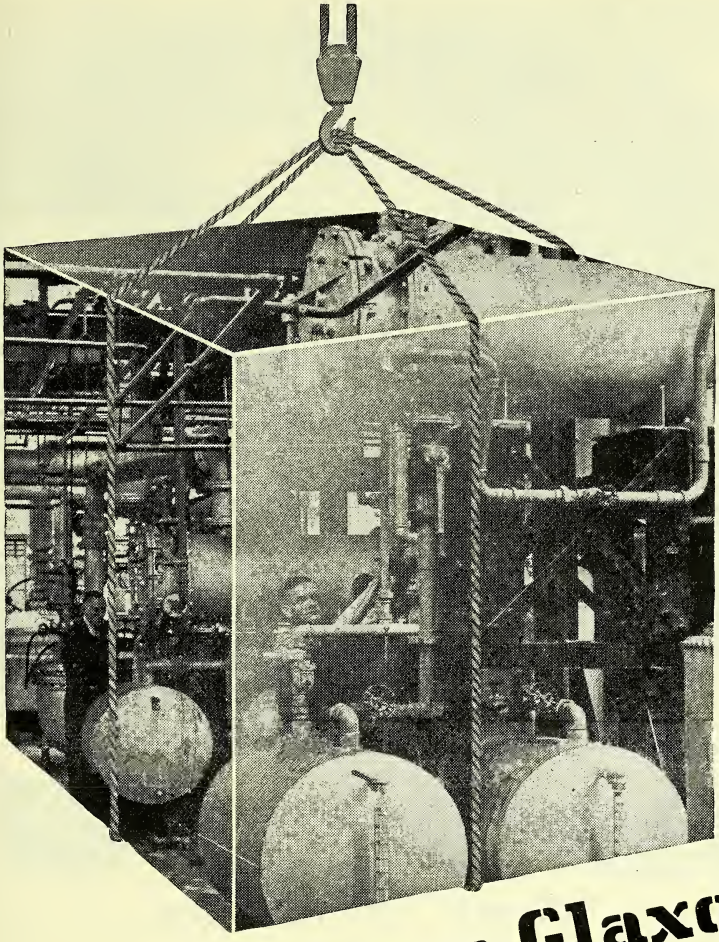
TRIOSTAM, APEDSON, 696,190-701,965, by the Wellcome Foundation, Ltd., London, N.W.1. VITABLEND, 699,836, by Glaxo Laboratories, Ltd., Greenford.

For disinfectants for dog and kennel use (5).

EMSIL, 701,003, by Bob Martin, Ltd., Southport.

For pharmaceutical and veterinary preparations excluding yeast products (5).

PHILIPS and circular device, B669,316, by Philips Electrical, Ltd., London, W.C.2.



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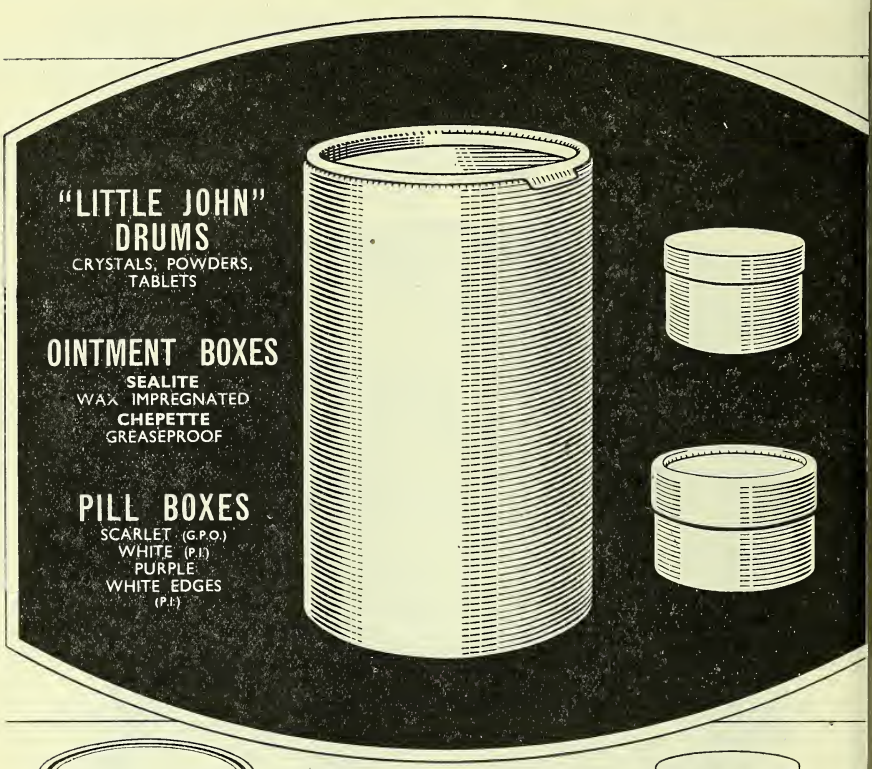

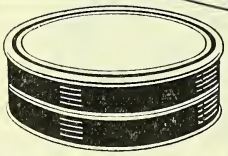

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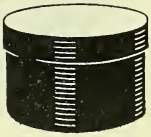

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PARCEL L — 13 x 100 Capsules @ 8/6 Retail
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New and powerful

SHAMPOO TREATMENT

for head disinfestation

Esoderm Medicated Shampoo represents a new approach to th prevention and effective treatment of head infestation by Pediculosi capitis (head louse). Combining DDT 1% and Ti-tree oil ½% in specially prepared base, Esoderm Medicated Shampoo has a powe ful cleansing action but is non-irritant and pleasant t use. It deals with the problem quickly and effectivel and weekly applications prevent re-infestation. Orde stocks from your wholesaler—right away!

Bonus offer of 13 to the dozen

ESODERM *Trade Mark*

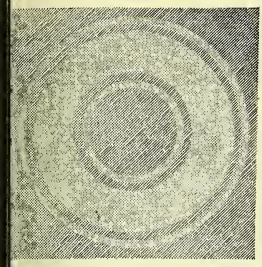
Medicated Shampoo

15/- per 1 doz. retail less 33⅓% discount, Purchase Tax 3/4 per do
Retail price: 1/6½ per tube including Purchase Tax

Manufactured by

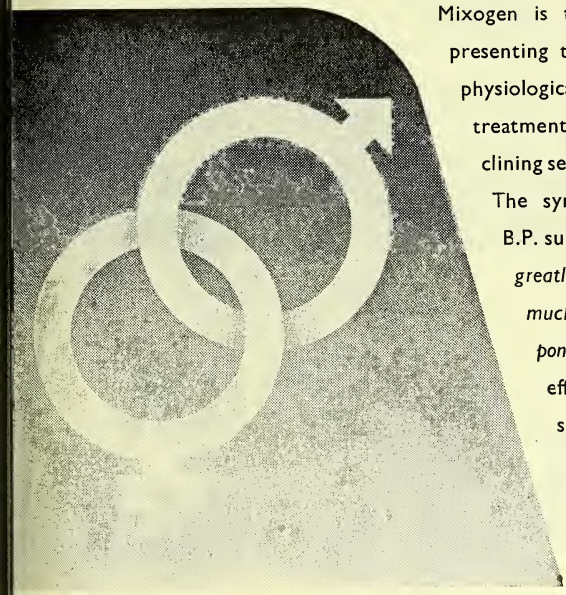
PRIORY LABORATORIES LTD. PYRAMID WORKS, WEST DRAYTON, MIDDLESE

Sole Distributors for Scotland: James Taylor (Trongate) Ltd., Glasgow



NEW ADVANCE

in sex hormone therapy



Mixogen is the new Organon preparation presenting the male and female hormones physiologically balanced in one tablet for the treatment of all signs and symptoms of declining sex hormone function in either sex. The synergistic combination of these B.P. substances confers *beneficial results greatly exceeding any obtainable with much larger doses of either of the components alone*, without the unwanted effects often associated with one-sided sex hormone therapy. The remarkable sense of renewed mental and physical vitality is a notable feature of the treatment.

The tablets are FREELY PRESCRIBABLE UNDER THE N.H.S.

"MIXOGEN" contains 0.0044 mg. ethinylœstradiol B.P. and 1.6 mg. methyltestosterone B.P. in each tablet.

MIXOGEN

Male and Female Hormones in 1 tablet

In Perspex tubes of 25 tablets and in bottles of 100, 250 and 500.
Price List on request.

ORGANON LABORATORIES LTD

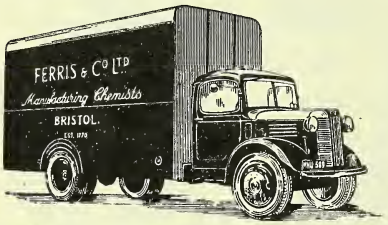
BRETTENHAM HOUSE, LONDON, W.C.2

TEMple Bar 6785-6-7
TEMple Bar 0251-2

PILLS & TABLETS

PACKED OR IN BULK
COATED OR UNCOATED
STANDARD OR SPECIAL FORMULÆ

ARTHUR H. COX & CO. LTD.
BRIGHTON



REGULAR ROAD DELIVERIES

In the West of England and South Wales Areas

The House in the West for all Chemists' Supplies

Send us your orders for prompt and careful attention.

FERRIS & COMPANY LTD.
BRISTOL

Manufacturing and Wholesale Chemists

Telephone: BRISTOL 21381 *Telegrams:* FERRIS, BRISTOL

BEAR *Brand* HONEY

the cream of the world's honey crops

Available in 7lb. and 56lb. tins and in barrels; also supplied in ½lb. and 1lb. jars.

L. Garvin & Co. Ltd., Isleworth, Middx. Tel: HOUnslow 34

" Soothe sore throats in a matter of seconds "

Show 'Elasto'—

Elasto
THE BIOCHEMIC TABLET

It Sells on Sight!

ELASTO advertising is widespread and consistent. A steady demand for this product is being created at your very door. Are you taking full advantage of this opportunity for new business created in your area by this vigorous campaign? 'Elasto' sales-aids displayed in your window or on your counter will convert the 'prospect' we have created into a customer for you. *And remember there is ONE SHILLING and SEVENPENCE PROFIT on each sale!*

'ELASTO'

CECIL HOUSE · HOLBORN VIADUCT · LONDON

Safety tells

Safety sells

with mothers

Mothers are agog about the BESCO. At last shampoo eye shield. . so effective..so cheap. so simple to use.

NATIONALLY ADVERTISED

Trade buy at 24/- per doz., plus 33⅓% P.T.

3/9 RETAIL PRICE

BESCO *shampoo* **EYE SHIELD**

Sample on request to:—

BESCO CO., Hill St., Rochdale, Lancs

APL FINE PRODUCTS

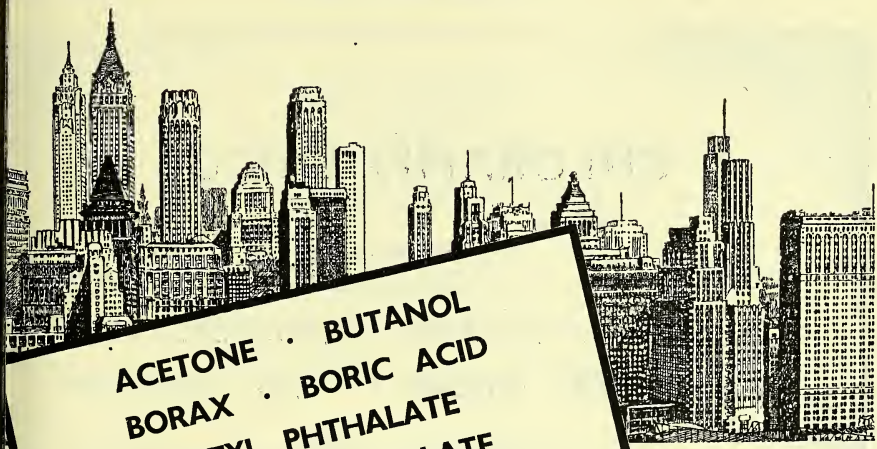
COMPRESSED TABLETS

AMINOPHYLLINE
A.P.C.
BARBITURATES
CARBROMAL
CODEINE CO.
EPHEDRINE HCL.
SULPHA. DRUGS
THYROID
VITAMINS

AMBER PHARMACEUTICALS LTD.

Manufacturers of Fine Chemicals and Pharmaceutical Products

BYRON HOUSE, 7-9 ST. JAMES'S STREET, LONDON, S.W.1



ACETONE · BUTANOL
BORAX · BORIC ACID
DIBUTYL PHTHALATE
DIMETHYL PHTHALATE
DIOCTYL PHTHALATE
PHTHALIC ANHYDRIDE

ACETYLSALICYLIC ACID U.S.P.
CAMPHOR U.S.P. NATURAL
(POWDER AND TABLETS)
DEXTROSE C.P. ANHYDROUS
EMETINE HYDROCHLORIDE U.S.P.
LACTOSE U.S.P. POWDER
PHENACETINE U.S.P. POWDER
SANTONIN N.F. CRYST.
VITAMINS · ANTIBIOTICS

Gallard-Schlesinger Chemical Co.

92 LIBERTY STREET, NEW YORK 6, N.Y.
Plant: STATEN ISLAND, N.Y. Cables: GALLARDKEM

CHLORAMPHENICOL

TO MANUFACTURERS, IMPORTERS, AND ALL OTHERS WHOM IT MAY CONCERN

Parke Davis having commenced legal proceedings in the High Court Chancery Division against well known Manufacturing Chemists under 1951 P. No. 3038 for infringement of their patents numbered 652272, 652274, 652275, 652276, 652278 and 652280 hereby give notice that they intend to take similar legal proceedings against any other person firm or company who manufactures or imports **chloramphenicol.**

No further warning will be given.

PARKE, DAVIS & COMPANY
Inc. U.S.A.

PARKE, DAVIS & COMPANY, LIMITED
Inc. U.S.A

HOUNSLOW, MIDDLESEX
Telephone HOUnslow 2361

FOR CHEMISTS

Richard Daniel & Son LTD

DRUGS SUNDRIES

Manufacturing Chemists

PILLS · TABLETS
PROPRIETARIES

HEAD OFFICE & WORKS: MANSFIELD ROAD, DERBY. Tel: 48266 (4 lines)
BRANCH WAREHOUSE: GROSVENOR ST., ASHTON under LYNE. Tel: 2816 (3 lines)

The Silky Soft Absorbent Tissue that is preferred

Vanity

HANKIE TISSUES

RETAILS FROM 1/4½d.

Tissues have come to stay—it's just a case of selling the BEST to make and keep customers. VANITY are produced by THE PAPER SPECIALISTS — packed attractively and come to you in display cartons worthy of your windows and counters.

POCKET PACK for Travel, School, etc. (24 large size White Tissues) 5d.

BOUDOIR CARTONS (100 in White or assorted Pastel colours) or Cellophane Wrapped 100 and 180; assorted shades if required.

FREEDER BROTHERS PAPER MILLS
BRIMSDOWN, ENFIELD, MIDDLESEX
Telephone : Howard 1847 (3 lines)
Telegrams : Sylkocrepe, Enfield, Middlesex

TWO PROFITABLE LINES

"RED BAND"
BISMUTHATED MAGNESIA

★

"TOXORB"
POWDER AND TABLETS

"RED BAND" MAGNESIA

Size	Cost incl. P. Tax	Gross Profit on Sal
7d.	4/8 doz.	33⅓%
1/–	6/8 "	44%
1/8	13/4 "	33⅓%

"TOXORB" (Powder & Tablets

Size	Cost incl. P. Tax	Gross Profit on Sa
2/–	16/8 doz.	30%
3/6	29/4 "	30%

SOLE MANUFACTURERS AND SELLING AGENTS

CALLANDER & TULLY LTD

9 VICTORIA STREET, EDINBURGH 1

Telephone Central 5091 Telegrams "Calantul, Edinburgh"

SERVICE AND PROFIT!

This year, as every year, thousands will be profiting from a course of John Bell's Cold Capsules. There's profit for you too in this fast-selling, long established line. A popular and effective preventive and treatment in the common cold and allied conditions, don't miss the seasonal business it's bringing your way. Order supplies TO-DAY!

Retail price: 1/9 per ti

Trade: 10/6 per doz. plus ta

Attractive display boxes supplied with every order

JOHN BELL'S COLD CAPSULES

JOHN BELL, HILLS & LUCAS LTD.

OXFORD WORKS, WORSLEY BRIDGE ROAD, LONDON, S.E.26

and now for **Glycerine***

You probably know that Thomas Hedley & Co., Limited is one of the largest producers of glycerine in this country — but do you know about the very prompt delivery service we are able to give you ? We are fortunate in having three factories in different parts of the United Kingdom all engaged in glycerine production. It is, in fact, because we have these three well-placed depots that we are able to deliver so quickly to any part of the country.

If you wish to take advantage of our organisation, we invite you to contact our sole agents — **Frederick Boehm Ltd., 19, Bentinck St., London, W.1** (Tel. : Welbeck 7933). Although glycerine is still subject to control, they will be pleased to discuss any details and supply you with the necessary application forms for permits.

THOMAS HEDLEY

& Co. Limited: Newcastle-on-Tyne

MAKERS OF TIDE, DREFT, OXYDOL, FAIRY SOAP AND OTHER FAMOUS PRODUCTS

* *Chemically pure, pale straw and industrial white*

It's Good Business . . .

* *Above are illustrated the December magazine advertisement and showcard. The showcards will be sent to all stockists.*

. . . to sell a quality line which women can buy at a very competitive price, and which they ask for regularly

. . . to sell a line which is constantly, effectively advertised in the leading women's magazines, reaching millions of women every month ;

. . . to sell a line supported with a showcard-per-month scheme linking up with the national advertising ;

. . to sell

SILCOT *Sanitary Towels*

Cotton-wool, with soft knitted covers and stitched loops

MACDONALD & SON LTD., HOPE MILLS, POLLARD STREET, MANCHESTER
Ardwick 1561-2

THE ORIGINAL

Malt and Cod Liver Oil

with the flavour

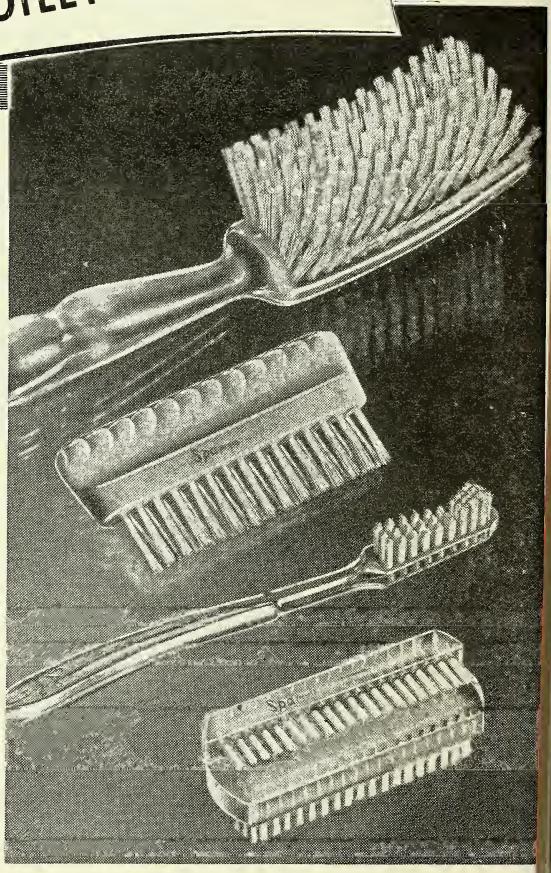
that CANNOT be copied

Sole Manufacturers
JEFFREYS, MILLER & CO. LTD
Leyland Mills, Wigan
Telephone : Wigan 2327
Telegrams : Maltum, Wigan

London Depot
19/25 Brookside Road,
Upper Holloway, N.19
Telephone : Archway 3627

B

A NEW *Sales Stimulus* ON THE TOILET COUNTER



Spa

TOOTHBRUSHES
*
HAIRBRUSHES
*
CLOTHESBRUSHES
*
NAILBRUSHES
*

in tinted translucent plastic

Backed by a powerful advertising campaign and attractively designed counter and window displays, there is an ever increasing demand for SPA Brushes.

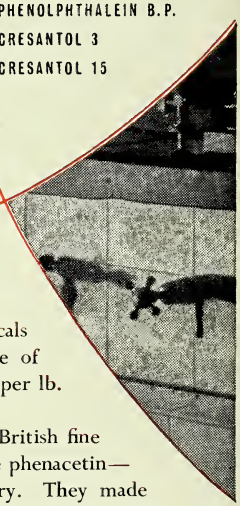
SPA BRUSHES LTD · CHESHAM · BUCKS.

STAFFORD ALLEN & SONS LTD., Wharf Rd., London, N.1. CLErkenwell 1000

TAS/AL.269

AN IMPORTANT LIST OF PHARMACEUTICALS

ASPIRGRAN
ACETYL SALICYLIC ACID B.P.
SALICYLIC ACID B.P.
SALICYLIC ACID (Technical)
METHYL SALICYLATE B.P.
SODIUM SALICYLATE B.P.
BENZOIC ACID B.P.
SODIUM BENZOATE B.P.
PHENACETIN B.P.
PHENOL B.P.
PCMX
PCMC
PHENOLPHTHALEIN B.P.
CRESANTOL 3
CRESANTOL 15

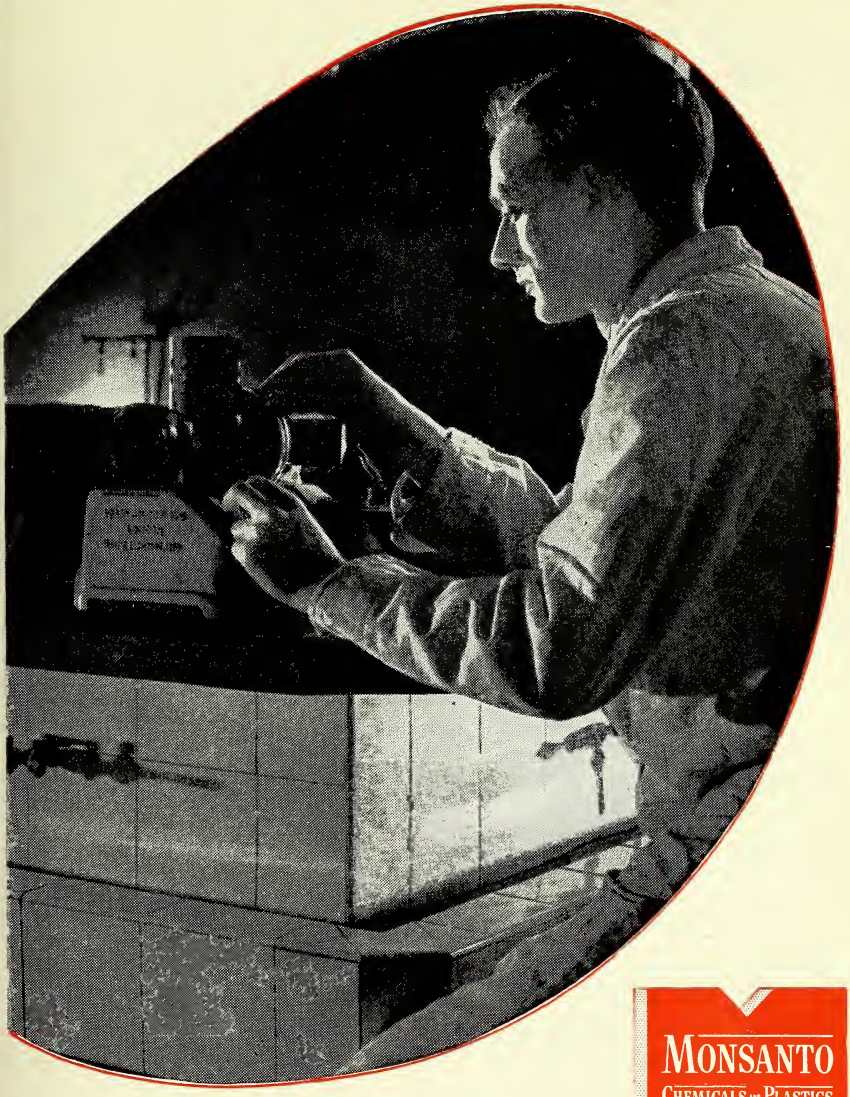


In the long ago days when the production of fine chemicals in this country was on a very limited scale, the price of phenacetin rose to 110/-d. per lb. and aspirin to 50/-d. per lb. This has not happened again.

Monsanto were prominent in the establishment of a British fine chemical industry after the first world war. They made phenacetin—and they remain the sole manufacturers in this country. They made aspirin—and they still make the bulk of the nation's production. They made methyl salicylate—and they are still the largest producers of a pharmaceutical the demand for which has greatly increased in recent years. They are potentially the largest producers of sodium salicylate. And they also make an important range of germicides and a number of associated products.

After thirty years of development, the list of basic fine chemicals is very important. Monsanto make these vital pharmaceuticals, they make them to the highest possible standards of purity, they make them in extremely large quantities, and they are always setting their sights a little higher.

MONSANTO CHEMICALS LIMITED



MONSANTO
CHEMICALS — PLASTICS

CHEMICALS FOR EVERY INDUSTRY throughout the world

ALLINGTON HOUSE · LONDON · S·W·1

Forbes' Malted Slippery Elm — FOOD

A MOST VALUABLE FOOD FOR INFANTS & INVALIDS

1lb. size	2/-	doz.	17/-
2lb. size	3/6	doz.	30/-

Proprietors: BROOK, PARKER & CO. LTD., BRADFORD, ENG.

your customers will remember

'ZEPHROL'
trade mark *brand*
cough syrup

because of its rapid effectiveness in relieving irritating coughs, and because of its palatability

Retail Price
Containers of 2½ fl. oz. 2s. 0d.
Plus 5d. Purchase Tax

BONUS TERMS ARE AVAILABLE FROM WHOLESALERS IN RETURN FOR DISPLAY SERVICES. ATTRACTIVE SHOWCARDS AVAILABLE ON REQUEST

manufactured by
MAY & BAKER LTD

MA249

distributors
PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD DAGENHAM

This Winter...

WILL MEAN Velvet

HANDKERCHIEF TISSUES

Velvet

Handkerchief Tissues great new Publicity Campaign will not only make the Velvet name more famous — but will extend still further the use of these fine products. Soon all your customers will be clamouring for Velvet.

NATION-WIDE PUBLICITY SCHEME INCLUDES

- Large Scale Advertising in National Newspapers
- Bus Advertising
- Dominant Poster Sites
- Tube Posters
- Full Velvet Dealer Supports and Aids

STOCK UP AND DISPLAY NOW

Velvet

HANDKERCHIEF TISSUES

VELVET CREPE PAPER CO. LTD., ALPERTON MILLS, ALPERTON, MIDDX.

COUGH time

is PINEATE time

FOR EXTRA SALES
STOCK NOW AND SHOW

PINEATE TRADE MARK *Honey* **Cough-Syrup**

TRADE TERMS

Selling Price (*Inc. P.T.*) ... 2/3 each
Trade Price (*Excl. P.T.*) 16/3 per doz.
Purchase Tax 5/5 per doz.

DISPLAY BONUS

In return for a guaranteed fourteen-day display, special discounts are available as follows:—
On an I.C.C. parcel of more than £5, but less than £10 in value 10%
On an I.C.C. parcel of the value of £10 and over 12½%

International Chemical Co., Ltd, Chenies Street, London, W.C.1.

At the sign of the

THREE FLASKS

on the White Rose of Yorkshire

This symbol is the registered Trade Mark of THORNTON & ROSS LTD., covering a wide range of ethical pharmaceuticals of unsurpassed quality, including many special formulæ devised and proved in the Thornton & Ross Ltd., laboratories.

May we have your enquiries?

TR 156

THORNTON & ROSS LIMITED

LINTHWAITE LABORATORIES · HUDDERSFIELD

D

In amber glass with curved neck

TRADE PRICE 7/8½ each

Our Range of Inhalers includes three hand-operated non-metallic atomisers of high efficiency and robust construction, the trade price of which is less than 8/- each, consequently these models serve excellently for supply on unspecified orders on Form E.C.10.

Issued in attractive screw-cap aluminium containers which combine safe storage with convenience in carrying in the handbag or pocket.

Bonus terms available; send for list

These 'Midgets' are issued with nose and throat tube.

TRADE PRICES

each

In amber glass - - 7/-

In clear glass - - 6/3½

MOORE MEDICINAL PRODUCTS LTD

ABERDEEN LONDON OFFICE: 64 GLOUCESTER PLACE, W.I. WELBECK 5718/9 LONDON

A Christmas Bathing Beauty

This new Ebe Showcard is a particularly attractive reminder that Ebe Bath Powder and Ebe Bath Flowers are still the best buy for Christmas. Popular prices, exquisite presentation, in fact the gift that always appears to be worth so much more than it actually costs. ***"GREETINGS" BOXES*** (8 *envelopes*, 3 *colours*) 6/11. *New and irresistibly attractive. A printed acetate box, adorned with ribbon contains* 8 *envelopes of Ebe Bath Powder.* ***"GREETINGS" BOXES*** (4 *envelopes*, 3 *colours*) 4/11 *as above but half the size.* ***Ready October 1st.***

ebe BATH LUXURIES

The Oatine Company (Opera Omnia Ltd. Proprietors) 44 *Kennington Lane. London, S.E.*11

CVB-58

The Silvikrin sensation of 1951

Honey-blonde June Powell, up-and-coming British star of Carousel *and the* Fol-de-Rols *says Silvikrin Cream Shampoo has 'that star-quality which puts it right at the top of the bill'.*

I want the new

Silvikrin

cream shampoo, please!

SILVIKRIN CREAM SHAMPOO is already a nation-wide best-seller. Of course, it was bound to happen. A perfect product, the magic name of Silvikrin, really all-out advertising, and women will naturally *demand* this excitingly *different* shampoo. Charming June Powell is just one of the many, many women who make the sale of Silvikrin Cream Shampoo not only a profit but a pleasure.

Britain's brightest girls are buying it!

BRITAIN'S BRIGHTEST STOCKISTS ARE SELLING IT! SELLING—SELLING

T/SCS-6

Ample for 3 Shampoos 1/3
Double Quantity 2/-

Silvikrin Laboratories Ltd.,
Sole Selling Agents:
Prichard & Constance (Manufacturing) Ltd., County Building, Honeypot Lane, Stanmore, Middlesex. WORdsworth 4321

E

Dearborn

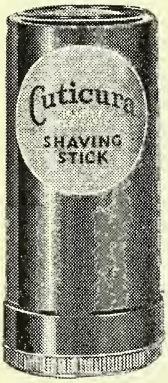
NEW! Good Companions to Mercolized Wax

★ Mercolized Foundation Cream
★ Mercolized Astringent Lotion
★ Stallax — the improved family Shampoo

Stocks now available in new and attractive packs . . . send for Display Cards . . . link up with the new advertising . . . let these "good companions" bring you sales . . . NOW!

Special Bonus Terms for New Mercolized Preparations — apply to our Sales Distributors:

POTTER & MOORE LTD., Lavender House, Seymour Road, Leyton, London, E.10



Sensitive skins

Cuticura Shaving Soap is *mildly medicated* . . . . your customers will thank you for introducing them to the perfect stick for tender faces. The black and orange plastic holder for this large sized stick attracts the eye: display cartons with each half-dozen make them easy sellers at your counter.

National advertising supports your sales.
Cuticura Shaving Sticks retail at 2/2 (Inc. P.T.)
Trade price 15/6 doz. P.T. 5/2 doz.

Cuticura
MILDLY MEDICATED
SHAVING STICK

DON'T FORGET QUICK SELLING CUTICURA SOAP
Order to-day from NEWBERY & PHILLIPS LTD.
Victoria House, Southampton Row, W.C.1. HOL 1564

"RELIANCE"
FINEST DEEP SEA
SPONGES

Cresswell Brothers' new brochure brightest and best illustrated price list of natural deep sea sponges.

Send for illustrated leaflet showing our full range of sponges attractively packed in artistic gift boxes.

★ *Representative will be pleased to call on request.*

RELIANCE FINEST QUALITY SPONGES

CRESSWELL BROS. SPONGES
(WORLD NATURAL SPONGE SUPPLIERS LTD)
INTERNATIONAL BUILDING
BUCK STREET, CAMDEN TOWN, LONDON, N.W.1
Phone CULliver 5462 3 Grams SPONGE NORWEST London

CARNEGIE

Manufacturers of Cinchona Alkaloids

CARNEGIE QUININE WORKS LIMITED

QUININE and SALTS

ALKALOID

BISULPHATE

DIHYDROCHLORIDE

HYDROBROMIDE

HYDROCHLORIDE

SALICYLATE

SULPHATE
B.P. 1932 & B.P. 1948

TANNATE

TOTAQUINE

CARNEGIE QUININE WORKS LTD

WELWYN GARDEN CITY : HERTFORDSHIRE : ENGLAND

TELEGRAMS: CARNECHEM, WELWYN GARDEN TELEPHONE: WELWYN GARDEN 506 (4 lines)

'A CARNEGIES OF WELWYN' COMPANY

Dr. J. Collis Browne's Chlorodyne
and
The Pharmacy and Poisons Act, 1933

Dr. J. Collis Browne's
CHLORODYNE

SALE RESTRICTED TO REGISTERED CHEMISTS

PURCHASER'S SIGNATURE NOT REQUIRED

P.A.T.A.

Sole Proprietors:
J. T. DAVENPORT LTD.
UNION ST., LONDON, S.E.1

CHILBLAINS RESPOND MORE QUICKLY TO *CHEX*

Because this is the verdict of our own staff, we think you should know that it ARRESTS IRRITATION AT ONCE

IN ATTRACTIVE DISPLAY OUTERS

10/6 per dozen (plus P/Tax)
1/7 each retail

PRICES NOT APPLICABLE TO EIRE

HARKER STAGG LIMITED
EMMOTT STREET, LONDON, E.1. Phone: STEPNEY GREEN 2022
and at 70a HAMSTEAD ROAD, BIRMINGHAM, 19. Phone: Northern 4036

bandbox

PRICE INCREASES

Operative December 1st 1951

ASHE LABORATORIES LIMITED announce that on and from December 1st the prices of most of their products will be increased. The Retail prices, including P.T., for some of the most popular lines will be as follows:

		Formerly	*Now*
Bandbox Almond Oil Shampoo	1 oz.	1/3d.	1/6d.
" " " "	4 oz.	3/9d.	4/3d.
Bandbox Liquid Shampoo	1 oz.	10½d.	1/-
" " "	4 oz.	2/6d.	2/9d.
Bandbox Lanolin Cream Shampoo	Jars	2/6d.	2/9d.
Bandbox Wave Sets and Brills	1 oz.	1/-	1/3d.
" " " " "	2 oz.	1/8d.	2/-

Complete price list with special quantity display discounts will be sent to you upon request.

ASHE LABORATORIES LTD., LEATHERHEAD, SURREY

Grams: Ashetree, Leatherhead *Phone: Leatherhead 3026 (5 lines)*

KORAY

has countless users. For relieving headaches, colds and 'flu, 'nerve' pains, etc.

KORAY

is advertised in the national and provincial press and backed by attractive 'point of sale' material.

KORAY

is packed in colourful cartons containing 5, 10, 28 or 64 tablets. The 5's cartons are available on an attractive hanging card.

KORAY

cartons are packed in attention compelling show outers which make selling easy. Koray has a quick turnover and shows a good profit!

ORDER STOCKS NOW

KORAY LIMITED
Golden Mile Works, Bridgend, Glam.

CHLOMINT

REGD TRADE MARK

breath deodoriser presents Chlorophyll in a pleasant-tasting way.

CHLOMINT

REGD TRADE MARK

containing Chlorophyll and Peppermint, will help the Chemist to solve his problem in recommending a quick-acting relief for Halitosis and over indulgence in smoke and drink.

CHLOMINT

REGD TRADE MARK

packed in handy rolls, to sell at 1/- per roll of 15 tablets, is obtainable from your Wholesaler or direct from the distributors Chlorophyll Products, 42, Eastcastle St., London, W.1., at special terms.

JANET'S SOLVENT

The efficient treatment for Blackheads. Packed in attractive Display Boxes, this line sells on sight. Retails at 2/6 per tube.

S. C. STANNARD, LTD.
Manufacturing Chemists
6/7, ST. DUNSTAN'S LANE, LONDON, E.C.3

announce that they have now taken over the manufacture and distribution of the following :—

Janet's Solvent -	Retail 2/6–Trade 12/- per doz. (P.T. 100%).
Creme La-ne-ta (Depilatory)	Retail 1/7 & 2/3 per tube—Trade 7/6 & 10/9 (P.T. 100%).
Fuller Brand - Celery Perles	Retail 1/7, 4/- & 6/9—Trade 10/-, 26/- & 44/- per doz. (P.T. 33⅓%).
Fuller Brand - Massage Balm	Retail 2/6 per tube—Trade 16/- per doz. (P.T. 33⅓%).

WRITE FOR TERMS

DO THEY PASS BY YOUR WINDOW

Dull, dirty, difficult to see through—windows like these don't attract customers. They let a shop down . . .

. . . OR STOP AND LOOK?

Clean, sparkling windows make a shop look smart . . . and passers-by can see the goods inside clearly. Give your goods a fair deal—use Windolene on windows and showcases and see how brilliant and clean your glass comes up!

Pour a little Windolene on a soft cloth, spread it over the glass and allow to dry. Then a quick polish! No messy bucket and water! Use it on all your windows, showcases and mirrors. A small bottle goes a long way.

WINDOLENE *cleans windows like magic*

Reckitt & Colman Ltd., Hull

New, Simplified Design of Pack enables

PRICE REDUCTION

of

SILBE

★LEUCOTROPIN TABLETS

from 6/- to 4/9d. per 20 tablets

without alteration of formula or quality of components

Leucotropin Tablets are being most extensively brought to the notice of the Medical Profession

TRADE DISCOUNT 25%

Also available in bottles of 100 tablets at 21/4d.

SILTEN LTD. · SILTEN HOUSE · HATFIELD · HERTS.

Telephone : Hatfield 3012/3

*$P_1S_1S_4$ No Purchase Tax

Wyeth

There is still time

'ENDRINE'

Trade Mark

NASAL COMPOUND

can still be bought on special lucrative terms during the remainder of November.

The money-making bonus of

14 to the DOZEN

on a minimum order of three dozen 1 oz. size, through your usual wholesaler, brings you a profit of £1 . 17 . 0d. on the small investment of £3 . 8 . 0d. (excl. P.T.).

In return you give a window and/or counter display of 'ENDRINE' with new show material.

Send your order in now for execution without delay.

JOHN WYETH & BROTHER LTD.

Clifton House, Euston Road, London, N.W.1

THE MAKERS OF *Robinson's 'Patent' Groats, Robinson's 'Patent' Barley* AND *Robrex*

KEEN ROBINSON & CO. LTD.

now introduce

Robsoup

THE NEW BABY SOUP FOR WEANING TIME

Robsoup is a new ready cooked bone and vegetable soup in powder form

ECONOMICAL
10 helpings for a five-month-old from a 1/6d. tin. There is no waste with Robsoup.

DIETETICALLY RIGHT
Robsoup is a useful supplement to milk mixtures and cereals at weaning time, and has the advantage of introducing vegetable flavours.

SAFE
As it is a dry powder there is no danger of germs of gastro-enteritis multiplying in the Robsoup remaining in the tin after it has been opened.

SIMPLE TO USE
Robsoup mixes instantly with (previously boiled) water at all temperatures to any consistency from a thin broth suitable for adding to bottle feeds to a thick, creamy soup which can be fed from cup and spoon.

Leaflets
Attractively written leaflets are being distributed to mothers and mothers-to-be.

Medical and Nursing Press
Advertisements are appearing widely in all journals read by child specialists, general practitioners, nurses and midwives.

National Press
In time Robsoup will be advertised in the general press, but we prefer to inform professional people fully first.

Direct Mail
Mailing shots are being sent to doctors, nurses, midwives and others interested in the welfare of infants.

Point of Sale
A handsome display unit, beautifully printed in red, yellow and black, and designed to take two tins of Robsoup, is available on request to all chemists.

Packaging and Terms
Robsoup is supplied in cases of 3 dozen, 13/9 a dozen less 2½% cash discount.
Consumer price, 1/6d. a tin.

Our representative will be calling on you shortly. If you would like further details now, please write to Dept. MX35

KEEN ROBINSON & CO. LTD. CARROW WORKS NORWICH

Of these five people . . .

. . . three wear dentures★

The significance of these figures is that 3 out of 5 of your adult customers should be regular customers for Steradent.

For they want what Steradent gives them—"oxygen-clean" false teeth: thoroughly, safely, "oxygen-cleaned" in every corner and crevice.

Steradent is backed by a powerful national advertising campaign planned to sell "oxygen-cleaning" to every denture wearer in Britain.

Which means to *3 out of 5 of your adult customers.*

★ *Figures from latest national statistics.*

Steradent REGD

Specially made to "oxygen-clean" false teeth

Known and respected throughout the world for more than forty years

It is a source of pride to us to know that Eclipsol products have been known and respected in an ever widening circle throughout the world, since we commenced manufacturing this range more than forty years ago.

Your confidence and the recommendation of satisfied users has resulted in a steady and ever increasing demand for Eclipsol.

The standard of quality of Eclipsol never varies—only the best—the very best is good enough to bear the name Eclipsol.

Every one of the Eclipsol lines will always—without fail—do whatever is claimed for it.

May we send you full particulars of the complete Eclipsol range?

Manufactured by

C. A. STOKES & CO. LTD.,

BRISTOL GLOUCESTERSHIRE

Orally active peripheral

VASODILATOR

PRISCOL

RAYNAUD'S DISEASE

and

INTERMITTENT CLAUDICATION

in

Buerger's Disease and

Arteriosclerotic conditions

In elderly patients with peripheral vascular disease Priscol permits a much more active existence and delays the sequelae of arteriosclerotic changes

TABLETS 25 mg.

40 (4/6), 200 (20/3), 1,000 (90/-)

AMPOULES 25 mg.	OINTMENT 10%	SOLUTION 10%
6 (14/6)	20g. (5/9)	10c.c. (7/6)

Retail Discount 33⅓% ; Exempt From Purchase Tax

CIBA

('Priscol' is a registered trade mark denoting 2-benzyl imidazoline hydrochloride) Reg. user

CIBA LABORATORIES LIMITED

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10, 50

THE TURNING POINT—*a story of a marriage that nearly crashed—in production at Warner Brothers' studios at Walton-on-Thames*

AND FIVE OTHER WINNERS!

Counsel's Dilemma. Behind the pomp and trappings of justice, the story of one man's fight with himself.

Deadline. The hectic world of news needs men who are tough. But even they can crack!

Lab. Report. The air of soulless antiseptic efficiency that prevails in a big research laboratory is often superficial. The men and women who work there are only human.

A Father Forgot. A child's heart is easy to break . . . and very hard to mend.

A Model called Jennie. The fashion world may be a world apart—but its inhabitants are ordinary men and women.

HOLLYWOOD TOUCH

Directed with the sure touch, technical mastery and brilliant flair of one of Hollywood's leading directors, these films will stay in the audience's mind for a long time.

And, in collaboration, a famous script-writer; one of Britain's major novelists lends to the dialogue the distinction that marks the master and helps to make these films something different.

And six magnificent Horlicks Films come to help us all sell HORLICKS

SIX NEW technicolor films have just been completed for Horlicks, and will shortly be released.

They mark a new advance in film advertising technique. When you've seen them, you'll agree.

Each of these six films is a story in its own right—sincere, compelling, true-to-life. But each sells Horlicks, too, and sells it *hard*, for your benefit and ours. In effect, it's the Horlicks press advertising come to life—with the power that only the screen can give.

Watch out for these films. Over a thousand cinemas will carry them between now and March. They'll be coming to your neighbourhood shortly, and your Horlicks representative will be able to give you the dates of local showings. And don't forget to ask him for extra stocks of Horlicks. You'll need them!

HORLICKS

Dual Personality

means double the Sales Appeal

A Hair Tonic that can safely be recommended to *both* Men and Women. It has never varied in quality. The test of over 70 years has proved its worth to the stockists and customers alike.

A cleansing tonic for dandruff and scurf, it stimulates the roots thus preventing loss and thinning of hair.

Small size (6/- retail) : 28/8 doz. plus 100% P. Tax
Large size (10/- retail) : 48/- doz. plus 100% P. Tax

Pétrole Hahn

FOR THE HAIR

R. HOVENDEN & SONS, LTD., LONDON: 29-33 Berners St., W.1.
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'THE INVISIBLE GLOVE'

Stops dirt from getting into the skin

2/6 A TIN *(Including P.T.)*

ROZALEX

Obtainable from your usual wholesaler

Trade Discount 25%

ROZALEX LTD., 10 NORFOLK STREET, MANCHESTER 2

NATIONAL FORMULARY 1949

PASTILLES *and* LOZENGES *are always in ample supply from*

ROBERT GIBSON & SONS LIMITED

MANCHESTER & LONDON

Manufacturers of

"MECCA" COUGH PASTILLES

and

GIBSON'S CHOCOLATE WORM CAKES

NEW treatment for Parkinsonism

Initial trials of 'Kemadrin', a new compound for the treatment of paralysis agitans, have shown that it causes a decrease of rigidity and leads to better muscle co-ordination. Patients under treatment are able to indulge in greater physical activity and show feelings of increased well-being and alertness. Less paralytic ileus, less constipation, less retention of urine and less mydriasis occur than when large doses of the traditional remedies, the belladonna and stramonium alkaloids, are used for controlling this syndrome.

Further trials are in progress, but the initial results have been considered sufficiently favourable to allow immediate release of 'Kemadrin'. Issued as compressed products of 5 mgm., 'Kemadrin' is available in bottles of 25 and 100. Further information on request to 183-193, Euston Road, London, N.W.1.

'KEMADRIN' BRAND

dl - 1 - *cyclo*HEXYL - 1 - PHENYL - 3 - PYRROLIDINOPROPAN - 1 - OL HYDROCHLORIDE

BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) **LONDON**

CLOSES NOV 30TH

'Nostroline'

SPECIAL BONUS OFFER

No time for delay.
Send your order in now
or get in touch at once

with :

MATTHEWS LABORATORIES LTD.
3-5, THANE VILLAS, HOLLOWAY
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This offer does not apply to the Irish Republic.

AIDS TO MODERN TREATMENT

E·S·T·P
(Martindale)

The original colourless Coal Tar Cream with all the therapeutic advantages of crude coal tar. An invaluable anti-pruritic in all forms of eczema, pruritus, psoriasis, occupational dermatitis, etc.

DICODID

For use in the symptomatic treatment of cough. A selective antitussive with a cough-depressant action more prompt and more prolonged than that of codeine. Well tolerated and non-constipating.

ASPRIODINE

A definite chemical compound embodying the anti-arthritic and anti-rheumatic properties of Aspirin combined with the stimulating and corrective effects of Iodine. Prompt in action and well tolerated.

AMECHOL

An effective parasympathetic stimulant, of especial value in vasospastic conditions of the extremities; Raynaud's disease; schleroderma; varicose, indolent and gangrenous ulcers and auricular paroxysmal tachycardia.

SAVORY & MOORE
STANDARD WORKS
LAWRENCE RD., LONDON, N.15
'PHONE: STAMFORD HILL 3456
'GRAMS: "NUSALIN" SOUTH TOT LONDON

Announcing—

A NEW treatment for NASAL CONGESTION

'Neophryn' is a new Bayer product for nasal congestion. It gives prompt and long-lasting relief in colds, catarrh, and rhinitis. Unlike most decongestants 'Neophryn' does not cause stinging and can be used in children.

This new product will undoubtedly be widely prescribed.

Packed in ½-oz. bottle with dropper.
Retail Price 3/6d. (exempt tax); Trade, 2/4d.

NEOPHRYN

Trade mark. Brand of nasal solution.

BAYER PRODUCTS LIMITED,
AFRICA HOUSE, KINGSWAY, LONDON, W.C.2.

CRUDE DRUGS

ESSENTIAL

GUMS OILS WAXES

BROME & SCHIMMER

WHOLESALE DRUGGISTS

BOTANICAL DRUG AND SPICE IMPORTERS

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Agar Agar
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Importers of fine Chemicals & Pharmaceuticals

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2½d. STOCKING (except Black) 20/- gross

4d. COLD WATER, CURTAIN and Black Stocking Dyes 32/- gross

Order Dyes and Shade Cards from our Agents

Gt. Britain: W. B. Cartwright Ltd., Rawdon, Leeds

N. Ireland: T. McMullan & Co., Ltd., 42 Victoria St., Belfast. *Eire:* May Roberts (Ireland) Ltd., Grand Canal Quay, Dublin, C.6.

BURNSIDE'S EUCALYPTUS OILS

Distilled in Australia by the largest distillers and refiners of Eucalyptus Oils in the world.—W. K. BURNSIDE, PTY., LTD., MELBOURNE, AUSTRALIA

80/85% B.P.
Oil Euc. Dives 40/45%
Oil Euc. Citriodora

70/75% B.P.
Piperitone 90/95%
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. . . . **Phellandrene** . . . .

UNIFORMITY OF QUALITY . CONSISTENCY OF ODOUR

Agents for U.K.: **WILSON & MANSFIELD, LTD., 15 Philpot LANE, LONDON, E.C.3**

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PURE MEDICINAL

POWDERED GLUCOSE

(Dextrose Monohydrate)

Ask your Wholesaler

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329 High Holborn, London, W.C.1

Telephone : Chancery 6524 (6 lines)

Works: Tunnel Avenue, Greenwich

*PRIME OFFER * CHEMICAL MERCHANTS*

Important - Announcement

Final arrangements are now being made with leading Continental manufacturers of organic/inorganic chemicals and pharmaceuticals for this Company to act on a sole agency basis for the United Kingdom and Commonwealth.

Further detailed announcements will appear shortly. We would appreciate, however, having your enquiries at the present time for any items you may be finding it difficult to obtain.

WILFRED KING, Director

★ *Offers only made where we have direct control from Producer to End User.*

THE PROPANE COMPANY LTD

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AB BOFORS, NOBELKRUT

can now offer for prompt shipment :—

SACCHARIN

450X & 550X

In addition, their wide range of other Chemical and Pharmaceutical products include :—

Para Dichlorobenzene · 2.4. Dinitro toluene · Benzocaine B.P. · Ortho-Toluene sulphonamide · Para-Toluene sulphochloride · Formaldehyde · Chloramine T. · Para Amino benzoic Acid B.P. Para Nitro benzoic Acid · Procaine Hydrochloride B.P. · etc., etc.

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A Harris and Dixon Company

'ACME' THE EVER POPULAR AND RELIABLE VACUUM FLASK

in assorted colours

RETAIL prices:
1 pt. — — 5/6
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THE IDEAL XMAS GIFT

JUG SET
Retail 19/9

JUG only
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ACME VACUUM FLASK Co.
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AN EXCELLENT REMINDER

ready sales from this display pack

The Drummer Dyes clearly displayed in this pack present an excellent point-of-sale reminder, and make an easy choice for your customers.

DRUMMER DYES

The World's finest Home Dyes
WM. EDGE & SONS LTD., BOLTON

1d. saves £££

A strip of Transoprint seals your packages securely against pilferers and makes tampering impossible. Experience proves it!

TRANSOPRINT STOPS PILFERING

better than an insurance polic — it saves your goods

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SERVE INDUSTRY EVERYWHERE

Importers and Exporters of Pharmaceutical Chemicals. All types of Botanical and Crude Drugs for prompt delivery from stocks or shipment from origin.

Established 1890 *Cables : Windschuegl London*

CHAS. H. WINDSCHUEGL LTD.

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In the balance

The dispenser knows how much depends upon scientific exactness—on complete assurance of purity and constant standards. All will ultimately be 'weighed in the balance' ..... for he knows how faithfully he can rely on the products of H.E. Daniel Ltd., to enhance his reputation.

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MANUFACTURERS, DISTILLERS AND EXPORTERS OF:
ESSENTIAL OILS, FLAVOURING ESSENCES, PERFUME COMPOUNDS, CRUDE DRUGS, BALSAMS, GUMS, SPICES, AROMATIC CHEMICALS, FINE CHEMICALS AND MEDICINAL EXTRACTS

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Sole Manufacturers: JEFFREYS, MILLER & CO. LTD., *Leyland Mills, Wigan. (London Dept. J9 Brookside Rd. N.19)* BECAUSE OF THE BUTTERSCOTCH FLAVOUR

Now Available . . . **SACKERS HYGIENIC METAL COMBS**

Will remove Nits, Vermin from hair and scalp

All Enquiries
SAQUERRE LTD. 62-64 BROOK STREET, LONDON, W.1

PRE-PACKING & LABELLING
(We can now accept fresh orders)
LIQUIDS: From Bulk into any size bottle from ½ oz.
POWDERS & TABLETS: Mixed and packed to customers Specifications.
J. H. WISEMAN & CO., LTD.
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COMPRESSED *MEDICINAL AND OTHER* **TABLETS**

Made in any shape or size up to 1½" (packed or bulk)

CONTRACEPTIVE *(FOAM)* **TABLETS**

ENQUIRIES INVITED

BUCKLEY-BOWKER TABLET CO. LTD.
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will step up

YOUR SALES!

Tintex the world's largest selling Home Dye is in even greater demand as clothing prices rise. Tintex successfully dyes practically every kind of material — silk, woollen, cotton, rayon, nylon etc.

Tintex Dyes are backed by nation-wide publicity. New Posters everywhere feature the "Tintex Girl", now in demand as a fancy dress pattern. Consistent Press advertising in National Newspapers and 29 women's magazines, ensures that most of Britain's 20 million women know about Tintex. Our counter displays and literature maintain Tintex as the fastest seller. *Stock up with Tintex Home Dyes NOW.*

FLASH! **Tintex DYE-WHITE the sensational new WHITE DYE makes whites whiter.**

It pays to stock **Tintex HOME DYES**

THE WORLD'S LARGEST SELLING HOME DYE

TINTEX DYES LTD., Tintex House, 131 High Street, CROYDON.

AN APPROVED METHOD OF *Family Planning*

GYNOMIN

The scientifically balanced, antiseptic and deodorant contraceptive tablet. Spermicidally efficient and recommended extensively by the medical profession.

Regular medical and national publicity will bring increasing demands to your pharmacy. Medical literature available to pharmacists on request.

SPECIAL QUANTITY DISCOUNTS MEAN EXTRA PROFITS.

3 doz.	tubes at 31/6 per doz. less	5%
6 doz.	„ „ „ „ „ „	7½%
12 doz.	„ „ „ „ „ „	12½%

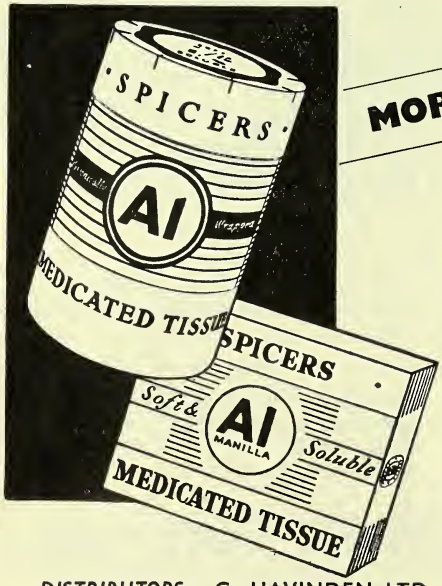
Retail price 3/6 per tube of 12 tablets.
Order from your wholesaler.

C&C (INTED) TRADE MARK

Manufactured by

COATES & COOPER LTD

PYRAMID WORKS · WEST DRAYTON · MIDDLESEX



MORE HYGIENIC . . .
HIGHER SALES

In its new sealed wrapping, Spicers famous AI medicated tissue appeals to housewives more than ever. And consistent advertising together with attractive display material keeps its appeal before them. That's why sales are rising so fast. Cash in on this generous profit maker—stock and display Spicers AI. *Also in flat pack.*

DISTRIBUTORS: G. HAVINDEN LTD., 71 BAKER STREET, LONDON, W.1

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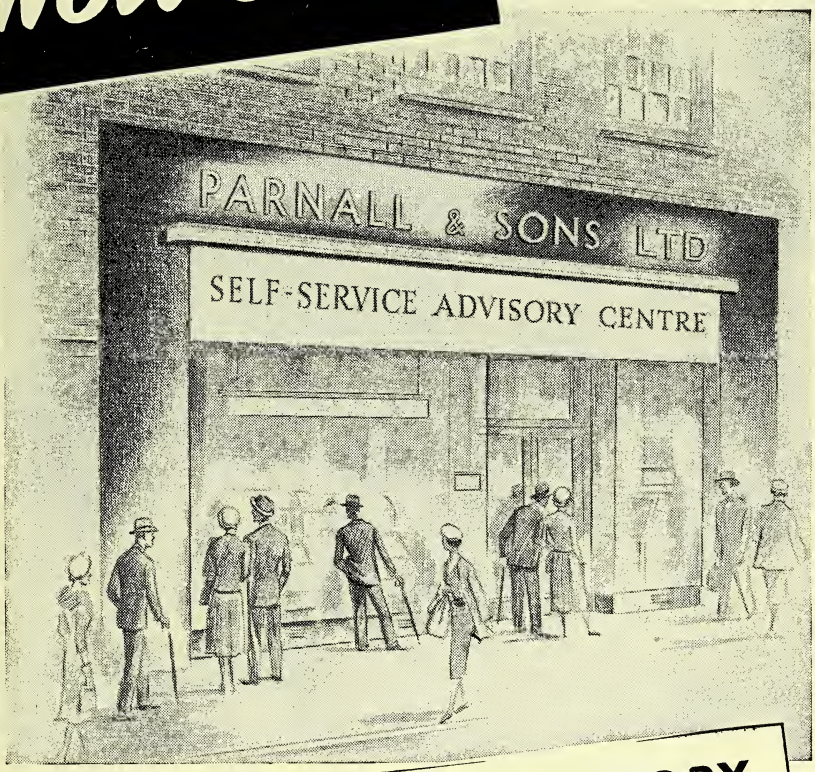

PARNALL'S ADVISORY CENTRE for *Self-Service*

PARNALL & SONS LTD.,
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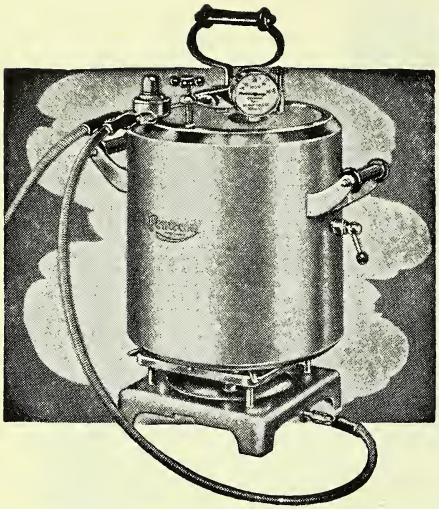
Telephone: LANgham 4932

where a complete Self-Service Shop with all equipment has been laid out as a model for retailer study. Skilled Advisers are in attendance to discuss Self-Service possibilities.

OPEN 9.30 a.m. TILL 5.0 p.m.



PENTECON · PENTECON · PENTECON · PENTECON

the advantages of the PENTECON Autoclave

THERMOSTATIC CONTROL

The thermostat, independent of the pressure factor, is the most accurate means of obtaining a consistent temperature. Designed for use over a gas ring or portable burner, it is constantly in control, after initial adjustment to suit the requirements.

Made from a special formula aluminium, the 'Pentecon' is light and handy to move about. The lid design provides a steam-tight joint, which cannot be opened under pressure.

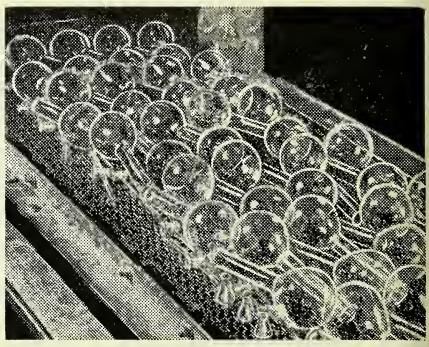
To use saturated steam, allowing operation at lower pressure in relation to temperature, an Air Blow-off Valve is fitted. A Pressure Regulator Valve whistles when the required temperature is reached.

The temperature of a liquid in an open vessel within the 'Pentecon' can be checked by previously inserting a chemical thermometer through a gland in the lid.

CAPACITY—11" x 10½". Contents approx. 26 pints or seven 20 oz., or M.R.C. Standard Blood Bottles.

The 'Pentecon' is economical in price and operating costs. Price (excluding gas ring and flexible tubing, which are not supplied) **£16.16.0**

A fully descriptive leaflet will be sent, post free, on request to Dept. 3, *Joseph Sankey and Sons Ltd., Albert Street Works, Bilston, Staffordshire.* Please mention the name and address of your normal supplier.



How 'PYREX' Registered Trade Mark Brand Glass is perfected

THE breakage-cost factor of vessels such as Bakers, lasks, Measures, etc., is one which concerns every user of Laboratory and Scientific Glassware. To provide the long and efficient service for which 'PYREX' Laboratory Glassware is famed, the final process of annealing is one of major importance.

Our two photographs show distilling and boiling flasks leaving the annealing chamber on a slowly moving endless metal belt, preparatory to final examination by an expert operator.

The annealing process is important, in that it equalizes and toughens the already robust structure of 'PYREX' Laboratory ware.

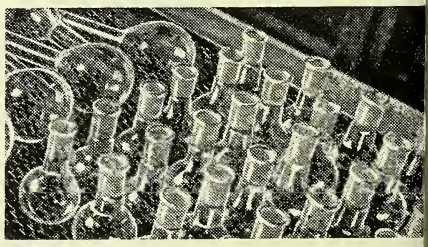
That's why 'PYREX' Laboratory Glassware is so reliable and so economical in use.

'PYREX' BRAND

Regd. Trade Mark

Laboratory and Scientific Glassware

JAMES A. JOBLING & CO. LTD.,
Wear Glass Works, Sunderland.



VACCO Vacuum Vessels

Wide mouthed 2 pint Vacuum Jar *Model J.101*
2 pint Vacuum Flask *Model Q.F.*
1 pint Vacuum Flask *Model S.C.*
1 pint Plastic Vacuum Jug *Model P.J.*

All the models in our range are fitted with VACCO refills of extra high thermal efficiency. This ensures minimum temperature change — hot contents keep piping hot and cold contents keep icy cold.

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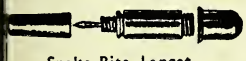
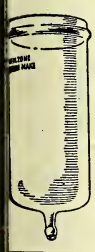
Serlsurg-Smith, London

SERLANCO HOUSE, 245, ST. JOHN STREET, CLERKENWELL, LONDON, E.C.1



Snake-Bite Lancet

Sardins Eye Loop

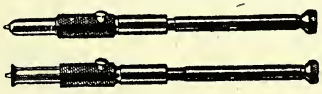


Serlzone Crystal Reservoir Douche, in White Japanned Metal Frame, 2, 3 and 4-Pint

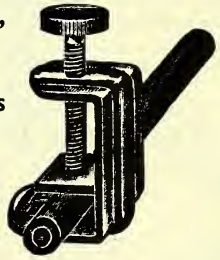
British Surgical and Dental Glassware

Solution Jars, Bowls, Boxes, Dressing Jars, Etc.

Stainless Steel Instruments



Automatic Blood Lancet,
" Push-Button " Release
No. S.P. 100. Acorn Tip
No. S.P. 101. Cup Shape Tip



" SERLZONE " regulating Tubing Clip

The Cleanser for every need

LINAPOL

This universal liquid cleanser is now available for household use. Invaluable for the weekly wash, washing-up and general household cleaning. Retails in big 20 oz. bottle at 1/6.

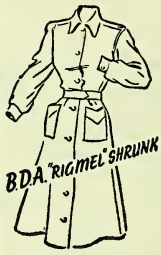
HYDROGEN PEROXIDE

10 and 20 volumes in bottles. A wide range of packs and labels available.

Genoxide LIMITED LUTON

ORME'S OF COVENTRY

OVERALL CLOTHING SPECIALISTS FOR OVER 76 YEARS



Men's White Coats
23/11 to 27/6
36" to 46"

Men's White Jackets
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Women's White Coats
Button Front Long Slv's.
SW W & WX OS & XOS
25/- 25/11 28/11

ALSO IN
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OVER £5 CARR. FREE

WHITE BOILER SUITS NAVY OR KHAKI from **35/6** to **37/11**. KHAKI COATS **24/11**

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EST. 76 YEARS **COVENTRY** PHONE 2972

For British-made
AMPOULE FILES
PLATED

Consult
DOMINION STEEL CORPORATION LIMITED
"FLEET" WORKS, QUEEN'S ROAD, SHEFFIELD, 2

BOTTLE CAPS
WAGNER'S DRY AUTOMATIC
Best in quality and appearance
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The best way to ensure satisfaction in grinding is to call in the experts—Porteus. Not only do they know what exactly is required, but they can and do invariably advise on the best type for the job in hand. Lengthy experience in design and construction is at your service —why not write now?

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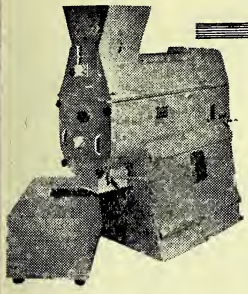
HOW *IDLE* IS *YOUR* MIXER ?

Idleness in man or machine is money to you. Some lost production is unavoidable, but it can be minimised by using Gardner's method for cleaning out, between batches and at the end of each day.

Gardner's new designs permit removal of agitators, brushes, sieves in a matter of seconds for complete washing through quickly, easily. And delivery of material is improved by greater accessibility. Maintenance is brought to an absolute minimum and breakdown practically unknown.



POWDER PROCESSING IT'S

GARDNER'S

of Gloucester

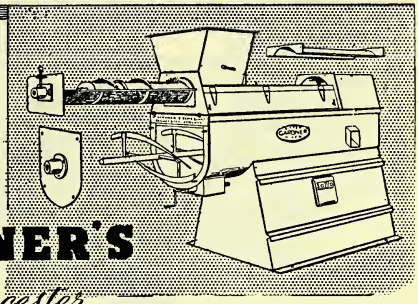


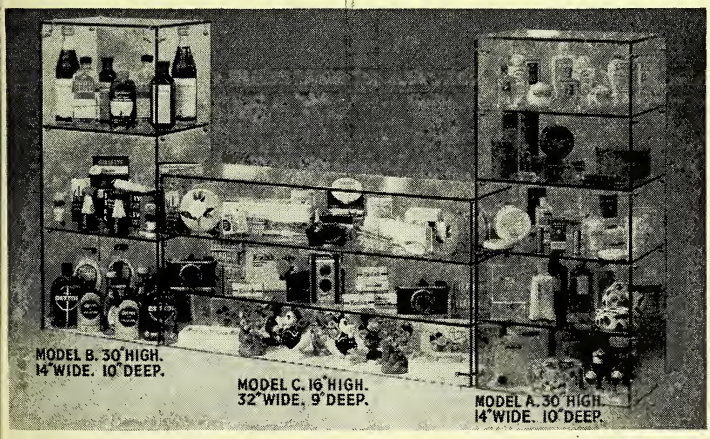
Diagram showing easy removal of parts for cleaning.

WM. GARDNER & SONS (Gloucester) LTD., BRISTOL ROAD, GLOUCESTER

***Telephone*: 21261 *Telegrams*: "Gardner, Gloucester"**

LONDON: ALBEMARLE HOUSE, ALBEMARLE STREET, W.1

Telephone: GROsvenor 8206



The set of three showcases illustrated here will be supplied for **£14.19.6**

If two Model "A" are ordered with one Model "C" **£15.19.3**

If two Model "B" are ordered with one Model "C" **£13.19.9**

Model "A" alone **£5.12.9**

Model "B" alone **£4.11.9**

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3¾% discount may be deducted from the prices quoted for Cash with Order.

DISPLAY SELLS GOODS

The prices quoted include carriage, and insurance to any address in England and Wales. Packing cases are chargeable and returnable. Delivery of standard sizes from stock; other sizes and types can be supplied at equally competitive prices.

WILLIAM GOODE *FRAMELESS GLASS SHOWCASE SPECIALISTS*

19 CLIFTON ROAD · RUGBY · WARWICKSHIRE *Telephone: Rugby 3100*

GUMSTRIP SEALING TAPE
IN SHORT SUPPLY

YOU CAN MAKE ONE ROLL-
DO THE WORK OF TWO

BY USING THE RIGHT LENGTH
IN THE RIGHT PLACES

● **THE AUTOMATIC CUT**

By using one of the Camberwell Beauty Sealing Machines you avoid tape wastage. The Automatic Cut gives you the required length of Gumstrip correctly moistened for any carton or package.

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For a good stick it is essential that Gumstrip should have the correct amount of moisture. The moisture control unit ensures an even moisture distribution, because the water level is automatically maintained.

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British Made Cash Registers and Tills for every type of business

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The
BEATSON MEDICAL

A bottle of quality. The retention of the vial lip for easy pouring is combined with all the advantages of modern design, including the elimination of internal sharp corners allowing rapid dispersal of sediment.

★ *Plain or Graduated*
Cork Mouth or Screw Capped

BEATSON, CLARK & CO. LTD
MANUFACTURERS OF CHEMICAL AND MEDICAL GLASS
ROTHERHAM · *Established 1751* · YORKS.

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EXEMPT *from* PURCHASE TAX-

PASTILLES OF GEE'S LINCTUS
B·P·C

PACKED IN ATTRACTIVE
2 oz. Printed Containers PER **10/-** DOZ.
1 oz. Printed Packets PER **5/6** DOZ.
SPECIAL QUANTITY DISCOUNT available
ORDER NOW for immediate or future supplies

NO TAX!

RODMILL CHEMICAL CO. LTD. LIVERPOOL 3

LI-LO

the name that sells!

Waterproof

LI-LO heavyweight all-rubber sheeting

In pink, blue or white. Size 27″ x 36″, individually packed in printed envelope. Also in 25 yard rolls, 36″ wide. Tax free.

Washable

LI-LO baby pants

Superfine white rubber or frosted translucent plastic—elastic leg or open leg (medium and large sizes). The "Snappifit" (elastic leg with side fastenings) in plastic only. Individually packed in attractive pink-and-white envelope. One dozen of a style and size to a cut-out display carton. Minimum lots of six dozen assorted. Tax free.

As well as these popular and high-grade LI-LO products, don't forget the other rubber and plastic articles backed by this famous name. Order now from your usual wholesaler. Descriptive leaflet obtainable on request.

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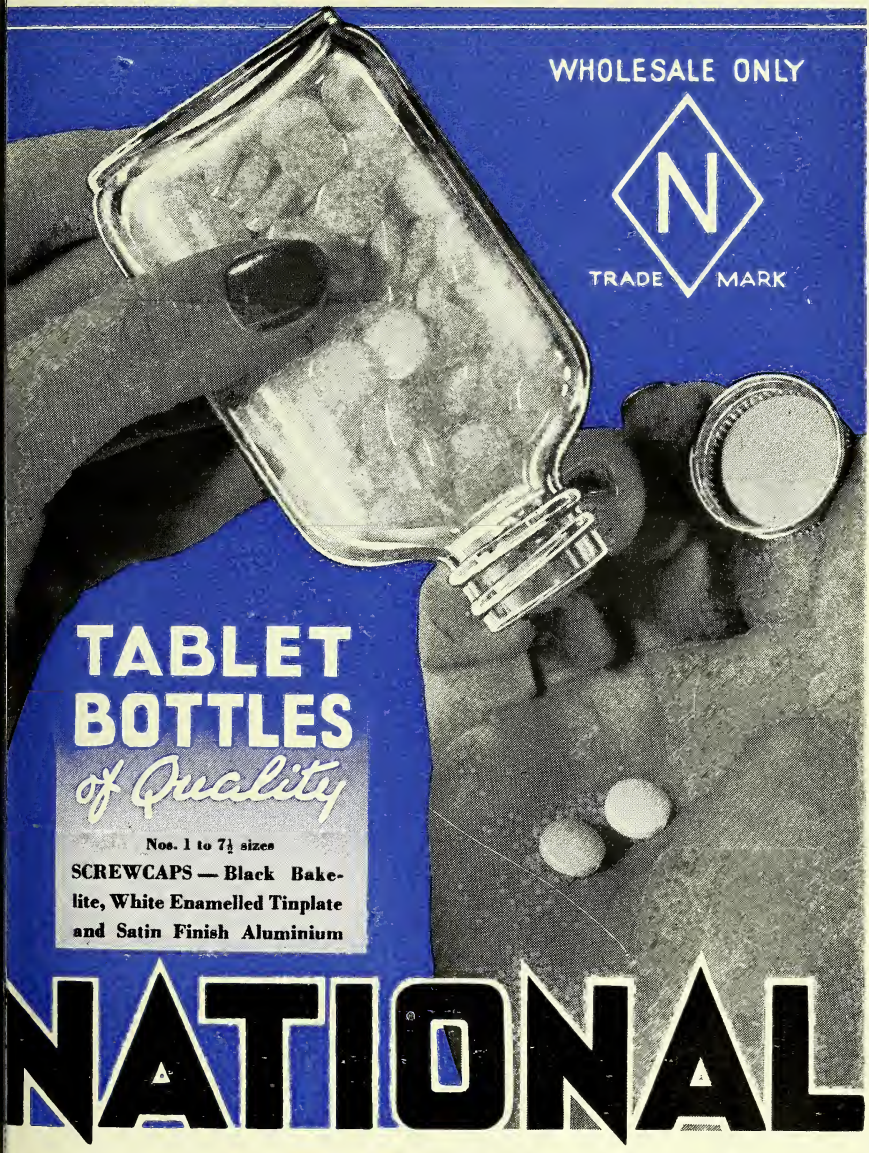


National Glass Works (York) Ltd.

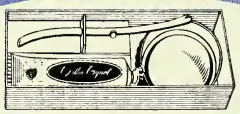
Fishergate, YORK
Telephone: York 3021

105 Hatton Garden, London, E.C.1
Telephone: Holborn 2146

Ortho the ethical name in Contraception . .

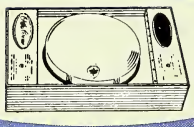
Ortho-Gynol: contraceptive jelly.
Package A: 3 oz. tube, with Ortho Applicator.
Package B: 3 oz. tube.

Ortho-Creme: contraceptive cream.
Package A: $2\frac{5}{8}$ oz. tube, with Ortho Applicator.
Package B: $2\frac{5}{8}$ oz. tube.



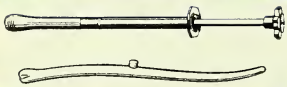
Ortho-Gynol Set: containing:
3 oz. tube of Ortho-Gynol
Ortho Diaphragm } in sizes 55 to 95
Ortho Diaphragm Introducer } (in 5 mm. gradations)

Ortho-Creme Set: as Ortho-Gynol Set with tube of Ortho-Creme instead of Ortho-Gynol in sizes 55 to 95 (in 5 mm. gradations).



Ortho Diaphragm Duo-pack: containing:
Ortho Diaphragm in sizes 55 to 95 (in 5 mm. gradations).
1 oz. trial size Ortho-Gynol.
$\frac{3}{4}$ oz. trial size Ortho-Creme.

Ortho Diaphragm: coil spring, rubber diaphragm, sizes 55 to 95 (in 5 mm. gradations).
Strong, light, durable, the Ortho Diaphragm is a contraceptive device of outstanding quality and dependability. Each is packed in a permanent and beautiful plastic box.



Ortho Applicator: for vaginal application of measured dose (5 cc.) Ortho-Gynol or Ortho-Creme.

Ortho Diaphragm Introducer: individual introducers to accommodate diaphragms sizes 55 to 95 (in 5 mm. gradations)

Supplies through your usual wholesaler, please!

ORTHO

Ortho Pharmaceutical Limited

HIGH WYCOMBE · BUCKINGHAMSHIRE · ENGLAND

Makers of Gynaecic · Pharmaceuticals

WANTED

Empty Stergene Bottles

Handling Allowance on Empties Pushes Profit Margin Up

Empty Stergene bottles are urgently required. Growing demand for Stergene makes it important that all empty bottles are returned. Remember — every dozen bottles collected by the Domestos Ltd. representative qualifies for the special Handling Allowance recently introduced. **So every empty bottle returned actually increases your Stergene profit margin.** Urge your customers to bring back an empty Stergene bottle every time they buy a new one.

Stergene
SCIENCE IN CLEANSING

A PRODUCT OF DOMESTOS LIMITED, NEWCASTLE UPON TYNE, 6.

AT YOUR SERVICE

Domestos Limited service ensures regular delivery of Domestos and Stergene and regular collection of all empty bottles.

MEET "Sanico"

IT'S NEW IT'S DIFFERENT

-and outstanding value in medium priced rolls

RETAIL PRICE

1/3

AN ENTIRELY NEW TYPE OF TOILET TISSUE

by the makers of

Bronco

Unfortunately, due to world shortages we are still unable to supply, in full, the huge demand for BRONCO, but retailers will find in SANICO a worthy substitute, which we can offer in unlimited quantities.

Enquiries are invited.

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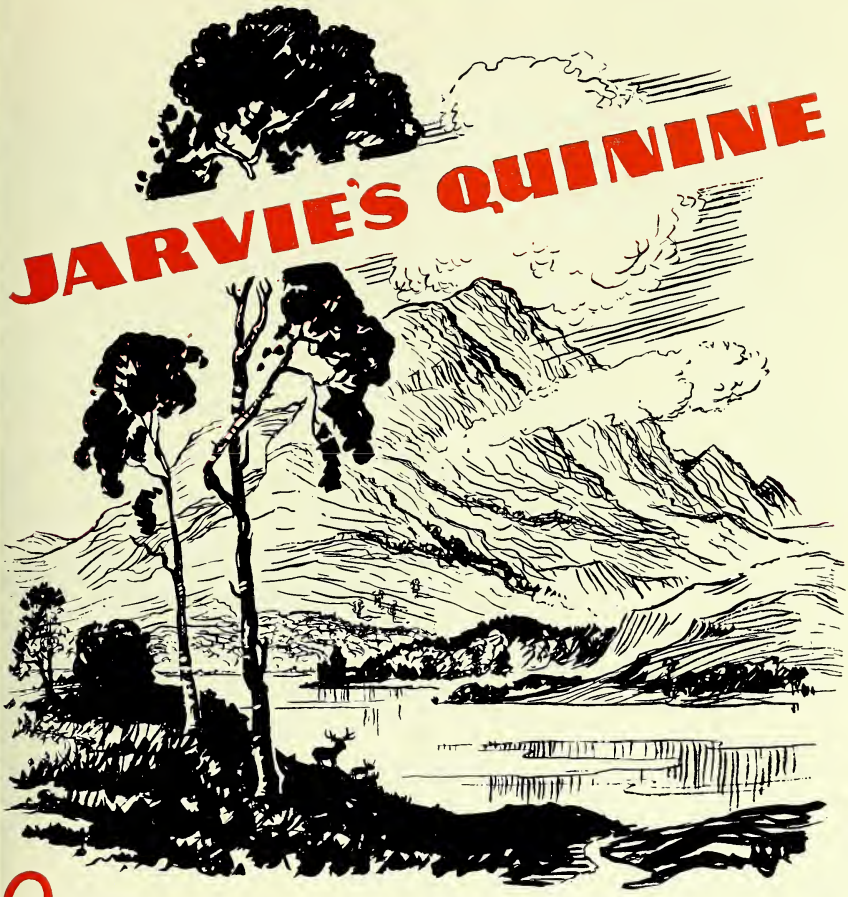

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SCOTIA CHEMICAL WORKS
COATBRIDGE · SCOTLAND

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'NIAGARA' Brand Blackcurrant Syrup is rich in Vitamin C and is thus specially suitable for children invalids and nursing mothers. It contains not less than 20 mgms. Ascorbic Acid per fluid ounce, and sufficient is now available for all to be supplied

RETAIL PRICE 2/10 PER BOTTLE

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Established in the Year 1858

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ESTABLISHED 1864

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TEATS and SOOTHERS	**AIR and WATER BEDS**
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INCORPORATING THE WILSON RUBBER CO. LTD

BIRKBECK WORKS, LONDON, E.8

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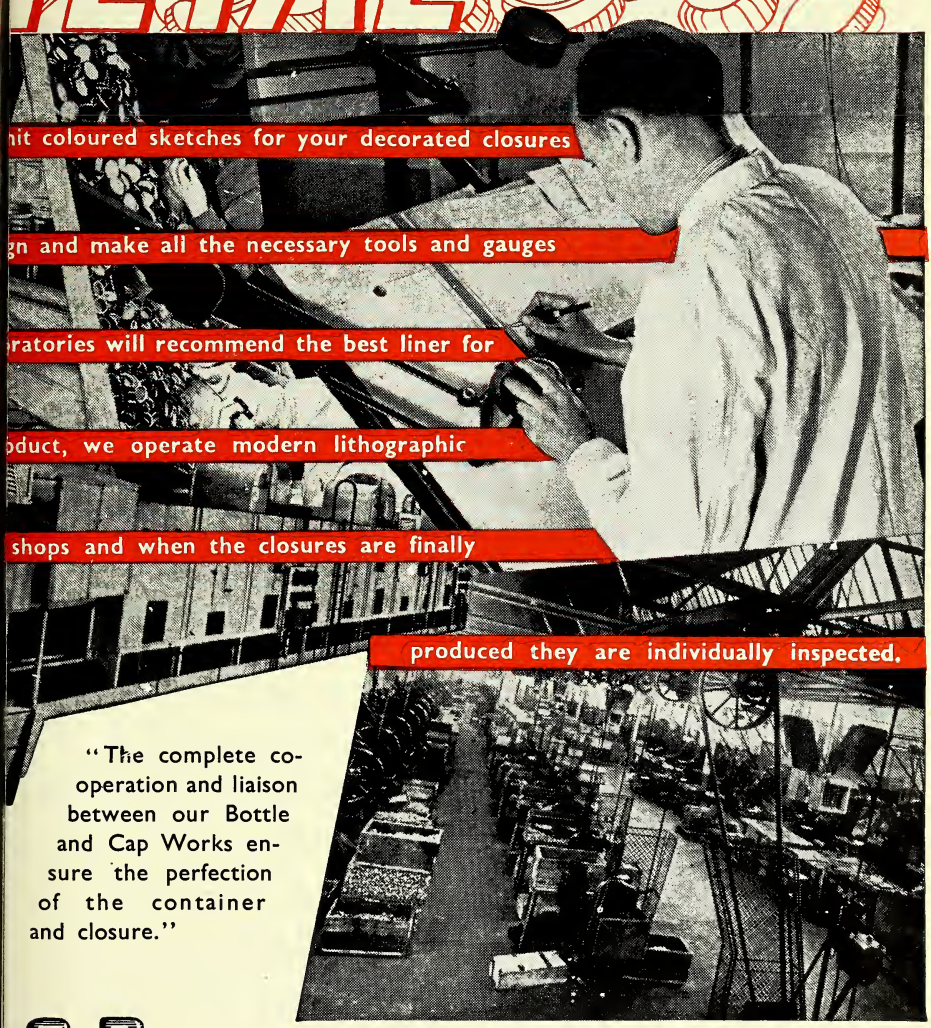

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The Perfect Pair

UNITED GLASS BOTTLE MANUFACTURERS LTD.

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Tel: GERRARD 8611 (18 Lines) *Grams:* UNGLABOMAN, LESQUARE, LONDON

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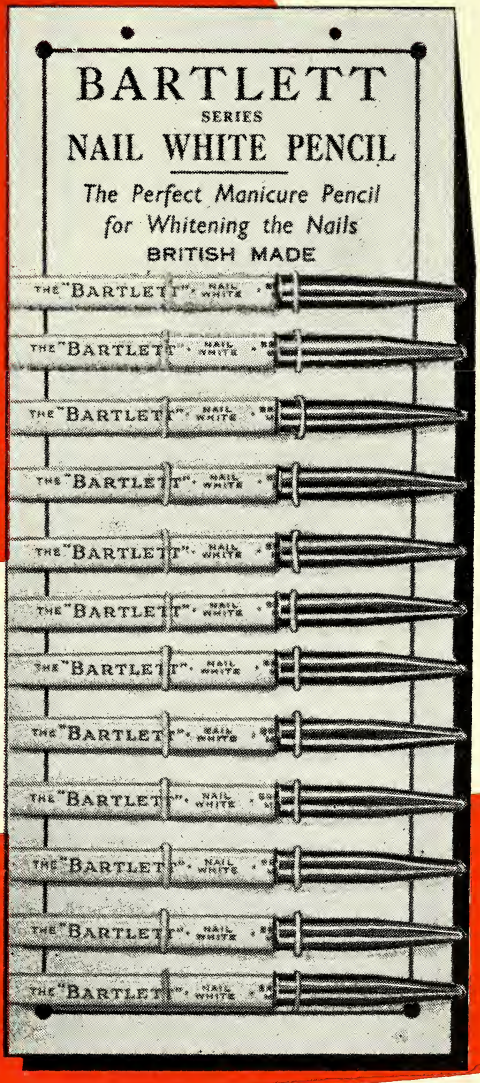
The Perfect Manicure Pencil for Whitening the Nails



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Daily Mirror
Times
Sunday Pictorial
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D.C.L. Yeast Tablets provide a daily ration of natural Vitamin B_1, each tablet having a potency of approximately 100 International Units. They aid digestion, assist in the creation of energy, and co-ordinate the efforts of brain, nerves and body. You can recommend them with confidence.

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POLAWAX

THE NON-IONIC EMULSIFYING WAX

Polawax contains no soaps, sulphated alcohols, or inorganic salts. Stable at high temperatures, its emulsions (o/w) do not alter in pH value on sterilization.

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Box's Pills for **INDIGESTION**

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GIFTS! for Christmas

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IMPORTANT FACT! *Last year* our retail friends did a lot of *extra business* in Spontex by featuring its special suitability as an inexpensive and useful CHRISTMAS GIFT.

THIS YEAR WE ARE FURTHER ASSISTING OUR FRIENDS IN THE TRADE BY ADDING TO OUR ADVERTISING.

A SPECIAL CHRISTMAS GIFT ADVERTISEMENT WILL APPEAR IN **THE RADIO TIMES** DECEMBER 14th.

ou can obtain the gift card as illustrated (to fix to your dispenser) by dropping us a line to y you want it. It is printed on the reverse de too; and so will continue to be useful en *after* Christmas.
troduce Spontex when serving customers ith other toilet lines — it's surprising how ickly *extra* Spontex business can be made is easy way.

Feature the full range of Spontex lines and so cater for *all* your customers.
Order through your usual supplier. Trade Discount is 33⅓%

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Head Lice and Nits...

- Semprolia provides an effective and pleasant disinfestation treatment, without need for combing.
- Semprolia is applied by simple massage into the scalp.
- Semprolia is economical, about one tablespoonful being required for each application.
- Packs for clinic use and home treatment are available.
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NEW FORMULA **Semprolia** BRAND
D.D.T. HAIR EMULSION

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3/3½ size. Bonus given on eve
dozen (13). It pays to push this siz
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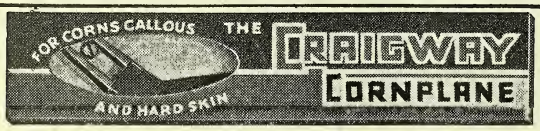
Established 1787 In the Reign of King George



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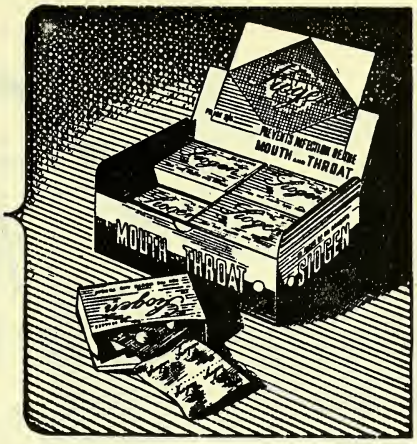

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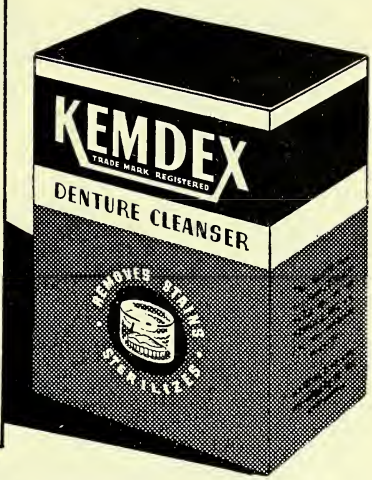

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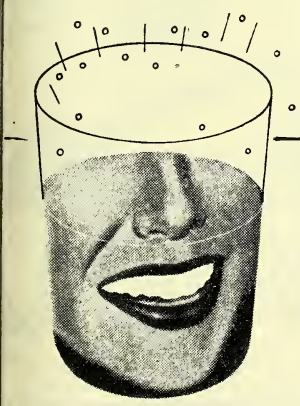

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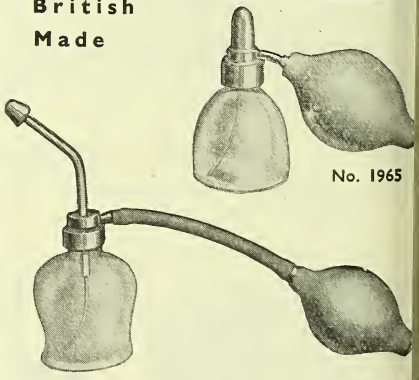

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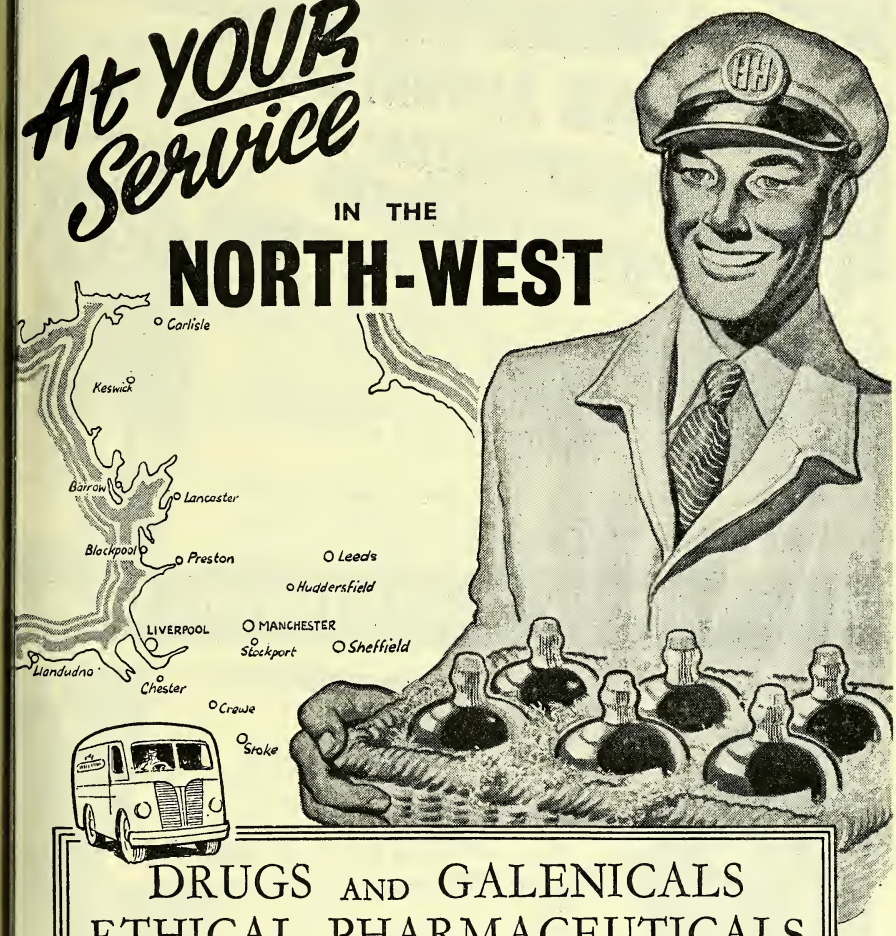

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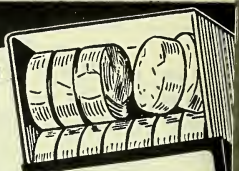

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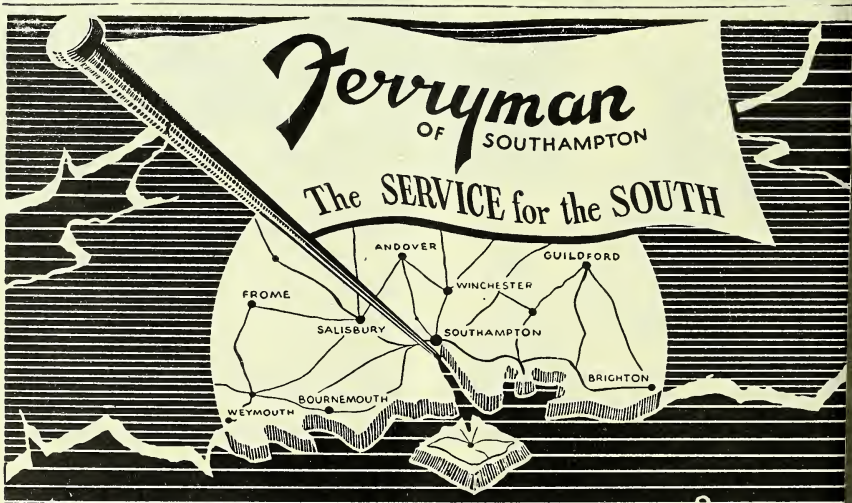

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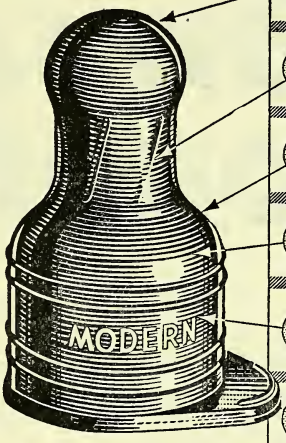

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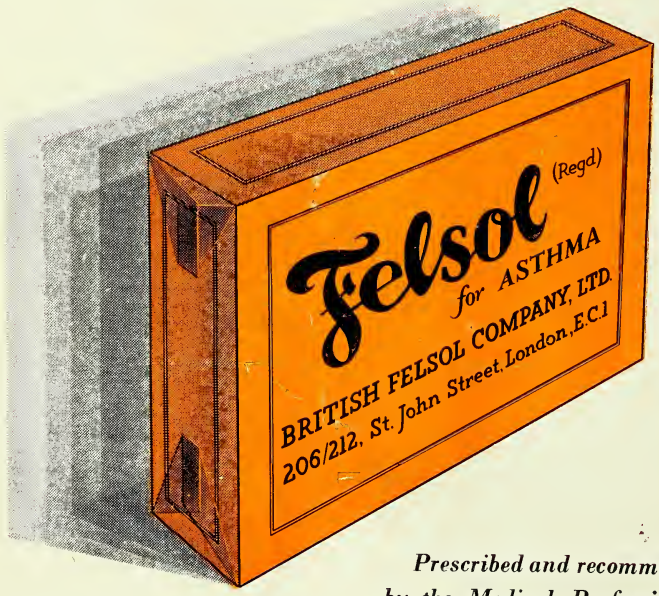

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